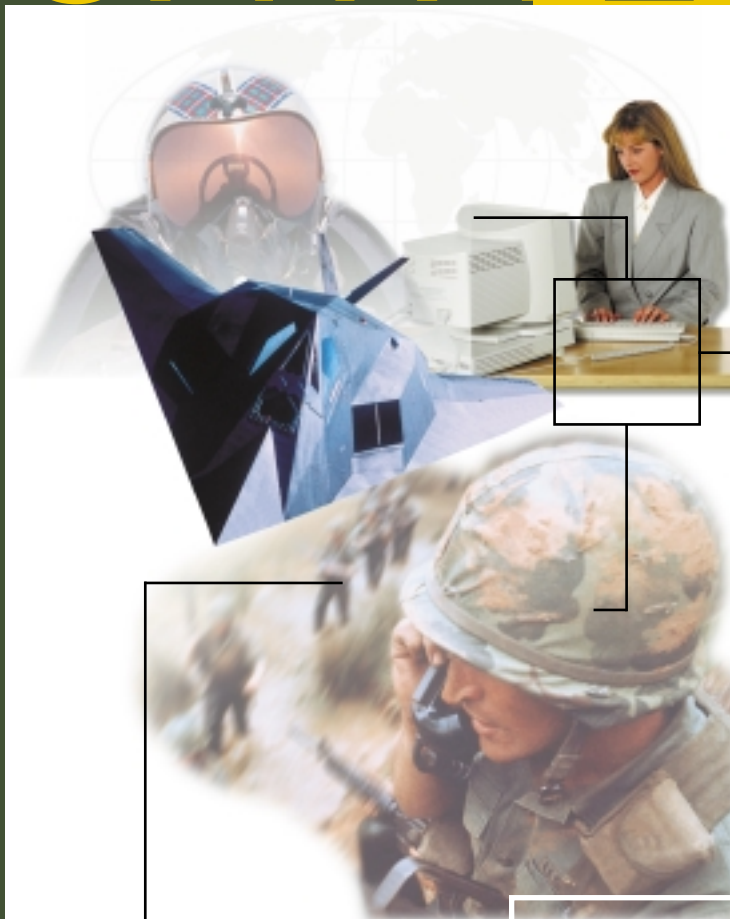


PRODUCTS & SERVICES **CATALOG**

Defense Technical Information Center



2000 -- 2001

About this Catalog

The DTIC® Products and Services Catalog provides brief descriptions of all that DTIC has to offer — from database products, to specialized programs, to Internet services. The online version of the DTIC Products and Services Catalog provides the most current descriptions of all that DTIC has to offer — from database products, to specialized programs, to Internet services. Although this version of the Catalog is only suitable for viewing on the computer screen, printed copies are available and can be ordered online at <http://www.dtic.mil/dtic/geninfoform.html>.

As you browse through the Catalog, note the following:

- DTIC's toll free number appears throughout the Catalog.
- WWW addresses are included when available. The addresses are accurate at the time of publication.
- DTIC Order Numbers for documents are current as of Catalog publication date. However, before placing an order, we recommend you verify that the document you're requesting is the most recent version by contacting DTIC's Reference and Retrieval Services Branch: 1-800-225-3842 (menu selection 1, submenu 1).
- An alphabetical listing of DTIC product acronyms is included beginning on page 3.
- A "Spotlight" section beginning on page 31 highlights the scope of our collection.
- Registration and ordering information can be found beginning on page 45.



DTIC® is a registered service mark of the Defense Technical Information Center.

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Defense Technical Information Center

As an element of the Defense Information Systems Agency (DISA), the Defense Technical Information Center (DTIC) pursues a critical agenda in support of our nation's warfighters and the Defense community which stands behind them. DTIC contributes to the management and conduct of Defense research, development, and acquisition efforts by providing access to and exchange of scientific and technical information. Ultimately, DTIC's efforts are aimed at ensuring the vitality of our nation's defense, the warfighters who form its foundation, and the scientific community whose technological innovations will continue to advance the military, and the nation as a whole, through the 21st century.

As the central repository of Defense-related information within the Department of Defense (DOD) for over 50 years, DTIC acquires, analyzes, stores, and disseminates scientific and technical information to support the management and conduct of DOD research, development, acquisitions, engineering, and studies programs.

The majority of DTIC's holdings are unclassified; however, the collection does include limited distribution and classified information through the Secret level. DTIC accepts and disseminates information in paper, microfiche, nonprint, and electronic formats.

User Community

U.S. Government organizations and their contractors, subcontractors, grantees and potential contractors are eligible to receive information from DTIC. Users of DTIC products and services enhance their research by reviewing, on a recurring basis, the material in DTIC's databases that is pertinent to their projects. Using DTIC's information products instead of searching for appropriate material from many separate sources saves both time and effort.

Collection

DTIC's resources are as varied as they are vast. Whether you're looking for previous studies or striving to keep current with the latest scientific and technical information. DTIC has a variety of products and services to meet your research needs. The collection contains reports and management information generated by scientists, engineers, economists, students, professors, program managers, and others within U.S. and foreign government, industrial, and academic organizations.

DTIC strictly adheres to the security classifications and limitations specified by its contributors. The information can be recalled quickly for a contributor's use or review whenever desired. Cost savings to contributors may be measured in terms of storage, inventory, manpower, printing,



and administrative expenditures associated with maintaining, reproducing, and distributing additional copies after primary distribution.

DTIC holdings include:

- Technical reports which include DOD patents and patent applications, studies and analysis reports, open source literature, conference proceedings, reprints, and theses.
- Special collections such as captured German and Japanese documents dating back to World War II.
- Summaries describing DOD research and technology that include information concerning the what, where, when, how, by whom, and under whose sponsorship research is being performed.
- Defense technology transfer information on over 2100 technology transfer agreements within the DOD including Cooperative Research and Development Agreements (CRADAs), Exchange Agreements, Use of Facility Agreements, and many others.
- Independent research and development summary descriptions of projects initiated by DOD contractors but not required under a contract. Accessible only to U.S. Government organizations, this information is used to identify contractors with expertise in areas of interest to DOD and to avoid DOD duplication of industry research and development efforts.
- Research and Development Descriptive Summaries (RDDS) that include narrative, information on RDT&E programs and program elements within the DOD. The RDDS repository contains data from the various military services as well as a host of other Defense agencies.
- Technology Transfer Information including the Small Business Technology Transfer (STTR) program and the DOD Technology Transfer Database. STTR is a program under which awards are made to small business concerns for cooperative research and development, conducted jointly by a small business and a research institution, through a uniform process. The DOD Technology Transfer Database contains descriptive information and points of contact for DOD unclassified research that is earmarked as having a high potential for domestic technology transfer.

LIST OF ACRONYMS

Provided here are translations of acronyms used by DTIC. It excludes acronyms used throughout the "In the Spotlight" section. A complete list of acronyms commonly used by DTIC is available at: <http://www.dtic.mil/dtic/acronyms.html>

A

AD: Accessioned Document
ADD: Automatic Document Distribution
AMPTIAC: Advanced Materials and Processes
Technology Information Analysis Center
AMTD: Automatic Magnetic Tape Distribution

B

BLDSC: British Library Document Supply Centre

C

CAB: Current Awareness Bibliography
CBIAC: Chemical Warfare/Chemical - Biological
Defense Information Analysis Center
CISTI: Canada Institute for Scientific and Technical
Information
CPIA: Chemical Propulsion Information Agency

D

DACS: Data and Analysis Center for Software
DAL: Dissemination Authority List
DDR&E: Director, Defense Research and Engineering
DDSM: Directory of Design Support Methods
DISA: Defense Information Systems Agency
DOD: Department of Defense
DOTRAC: Directory of Organizational Technical
Report Acronym Codes
DROLS: Defense RDT&E Online System
DTIC: Defense Technical Information Center
DTIW: Defense Technical Information Web

E

ECAB: Electronic Current Awareness Bibliography

G

GACIAC: Guidance And Control Information
Analysis Center
GILS: Government Information Locator Service

H

HBCU: Historically Black Colleges and Universities
HSI: Hispanic Serving Institutions
HSIAC: Human Systems Information Analysis Center
HTGI: How To Get It: A Guide to Defense-Related
Information Resources

I

IAC: Information Analysis Center
IATAC: Information Assurance Technology Analysis
Center
IR&D: Independent Research and Development
IRIA: Infrared Information and Analysis Center

M

MATRIS: Manpower and Training Research
Information System
MI: Minority Institution

MSIAC: Modeling and Simulation Information
Analysis Center

MTIAC: Manufacturing Technology Information
Analysis Center

N

NTIAC: Nondestructive Testing Information Analysis
Center

O

OLTIP: Online Technical Information Package
OSD: Office of the Secretary of Defense

R

R&D: Research and Development
R&E: Research and Engineering
R&T: Research and Technology
RAC: Reliability Analysis Center
RDDS: Research and Development Descriptive
Summaries
RDP: Report Documentation Page
RDT&E: Research, Development, Test, and
Evaluation

S

S&T: Science and Technology
SBIR: Small Business Innovation Research
SITIS: SBIR Interactive Technical Information System
STINET: Scientific and Technical Information
Network
STINFO: Scientific and Technical Information
STIP: Scientific and Technical Information Program
STTR: Small Business Technology Transfer
SURVIAC: Survivability/Vulnerability Information
Analysis Center

T

TCF: Technical Control Facility
TCU: Tribal Colleges and Universities
TIP: Technical Information Package
TR: Technical Report
TRAIL: Technical Report Awareness Internet Links
TR-CDROM: Technical Reports Database (TR) on
CD-ROM

U

URI: University Research Initiative
URS: University Research Support

W

WED: Web-Enabled DROLS
WSTIAC: Weapon System Technology Information
Analysis Center
WWW: World Wide Web



LOCATIONS

DTIC has offices located throughout the U.S. DTIC's Headquarters facility is located at the Andrew T. McNamara Building (formerly known as Headquarters Complex), Fort Belvoir, VA. Other DTIC sites currently serving localized communities and special research interests are located in Albuquerque, NM; Boston, MA; El Segundo, CA; and Dayton, OH. The Manpower and Training Research Information System (MATRIS) office is located in San Diego, CA. The information specialists at the regional office facilities offer many of the services provided at DTIC's Headquarters facility.

DTIC HEADQUARTERS

Defense Technical Information Center
8725 John J. Kingman Road, Suite 0944
Fort Belvoir, VA 22060-6218
Toll Free: 1-800-225-3842
Fax: (703) 767-8228, DSN 427-8228
Email: help@dtic.mil

ATTN: DTIC-BPB

Northeastern Regional Office at Boston

5 Wright Street, Bldg. 1103
Hanscom AFB, MA 01731-3012
(781) 377-2413, DSN 478-2413
Fax: (781) 377-5627, DSN 478-5627
Email: boston@dtic.mil
WWW: <http://www.dtic.mil/dtic/dticb/dticbln/northeastern.html>

DTIC REGIONAL OFFICES

ATTN: DTIC-BPL

Western Regional Office at Los Angeles

Building 80
2420 Vela Way, Suite 1467
El Segundo, CA 90245-4659
(310) 363-8980, DSN 833-8980
Fax: (310) 363-8972, DSN 833-8972
Email: losangel@dtic.mil
WWW: <http://www.dtic.mil/dtic/dticb/dticbln/western.html>

ATTN: DTIC-BPA

Southwestern Regional Office at Albuquerque

AFRL/VSIL/DTIC
3550 Aberdeen Ave., SE
Kirtland AFB, NM 87117-5776
(505) 846-6797/98, DSN 246-6797
Fax: (505) 846-6799, DSN 246-6799
Email: albuq@dtic.mil
WWW: <http://www.dtic.mil/dtic/dticb/dticbln/southwestern.html>

ATTN: DTIC-BPD

Midwestern Regional Office at Dayton

Bldg. 196, Area B
2261 Monahan Way
WPAFB, OH 45433-7022
(937) 255-7905, DSN 785-7905
Fax: (937) 656-7002, DSN 986-7002
Email: dayton@dtic.mil
WWW: <http://www.dtic.mil/dtic/dticb/dticbln/midwestern.html>

MANPOWER AND TRAINING RESEARCH INFORMATION SYSTEM (MATRIS)

ATTN: DTIC-AM

MATRIS Office at San Diego

NAS North Island, Bldg. 1482
Box 357011
San Diego, CA 92135-7011
(619) 545-8750/1, DSN 735-8750/1
Fax: (619) 545-0019, DSN 735-0019
Email: email@dticam.dtic.mil
WWW: <http://dticam.dtic.mil/>



LEARN ABOUT DTIC

DTIC User Electronic Mailing Lists <http://www.dtic.mil/dtic/listservs.html>

DTIC has established multiple electronic mailing lists to facilitate communication between DTIC and its user community. Users are informed about DTIC and its products and services faster than receiving the information through normal mail channels. For the complete list, see page 9.

Briefings and Tours <http://www.dtic.mil/dtic/tours.html>

DTIC conducts a general briefing on its products and services including a tour of its Headquarters facility in Virginia on a quarterly basis. This combined briefing and tour lasts approximately 2-1/2 hours depending upon visitor interest and questions. Tours and briefings may also be scheduled upon request.

Conferences <http://www.dtic.mil/dtic/conferences.html>

To promote the maximum use of RDT&E information, an Annual Users Meeting and Training Conference is held in the Washington Baltimore Metropolitan Area in the fall. In addition, DTIC conducts multiple regional conferences across the U.S. for current and potential users. DTIC also participates in other U.S. Government conferences, military training programs, and industrial and academic symposia.

Brochures & Pamphlets

Individual brochures, pamphlets and flyers provide descriptions, features, and benefits associated with DTIC's products and services.

DTIC Digest <http://www.dtic.mil/dtic/digest/>

This quarterly newsletter provides the latest information on DTIC's products and services, announces upcoming meetings, highlights documents in the DTIC collection, and provides database search tips.

DTIC Videos

The following videos are available at no charge. One assists users in understanding DTIC as we are today; the other commemorates 50 years of information service to the DOD community.

DTIC: Information Today, Success Tomorrow

This 12-minute video explains the value of using DTIC. It briefly describes the DTIC organization and its mission.

AD-M000735/CAA (Closed-Captioned) Free

AD-M000749/CAA (Open-Captioned) Free

DTIC: Fifty Years of Excellence in Information Service

This 13-minute video commemorates the 50th anniversary of DTIC. Past and current employees discuss the founding purpose, mission, and development of DTIC from its origin in 1945 through its expanding mission today and into the future.

AD-M000510/CAA (No Caption) Free

AD-M000509/CAA (Closed-Captioned) Free

AD-M000508/CAA (Open-Captioned) Free



DATABASE PRODUCTS

DTIC provides access to three major collections: Independent Research and Development, Research Summaries, and Technical Reports. From each collection, DTIC offers products that provide automatic access to DOD research and development information in specific areas of interest on a recurring basis as well as products that are generated by DTIC staff in response to individual requests for information.

Independent Research and Development

The Independent Research and Development (IR&D) collection contains over 150,000 descriptions of projects initiated by DOD contractors but not required under a contract. Federal statute encourages IR&D by allowing contractors to claim a portion of their IR&D costs as part of the overhead in "cost plus" contracts. By reimbursing these costs, DOD encourages industry to explore new technologies with potential application to military systems. IR&D projects are usually performed to improve existing DOD products, meet dual use demands, or meet what industry perceives to be "potential" DOD requirements. Accessible only to U.S. Government organizations, the information is used to identify contractors with expertise in areas of interest to DOD and to avoid DOD duplication of industry R&D efforts. The IR&D collection is available through Secure STINET (see page 10), through DROLS, as a subscription product, or on request.

The IR&D collection, available through Secure STINET on the Web, contains industry's research and development projects and overviews since 1993. Pre-1993 data will be added in the future. This data is treated as proprietary information because contractors fund the IR&D data. Therefore, this data is accessible only by DOD personnel; other U.S. Federal agencies must obtain approval for access from DOD.

The IR&D current awareness subscription is a convenient and economical service that provides you with information on targeted private industry developments from the IR&D database in your area of interest. A profile-based project summary is mailed on a monthly, quarterly, semi-annual or annual basis.

Cost per profile, per year	\$25
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If you have a unique one-time request, DTIC's retrieval analysts will search the IR&D collection for you to provide you with the results you want.

Cost per search	\$26
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Research Summaries

Research Summaries are descriptions of DOD research that provide information on technical content, responsible individuals and organizations, principal investigators and funding sources at the work unit level. Access to this collection is based on individual access restrictions. The collection consists of approximately 250,000 active and inactive summaries from 1965 to present. Research Summaries are available through Secure STINET (see page 10), through DROLS, as a subscription product, or on request.

Research Summaries subscriptions are created on a recurring basis—monthly, quarterly, semi-annual, or annual—to fit a user's subject interest needs. DTIC's retrieval analysts will work with you to develop search strategies that will provide you with the results you want.

Cost per profile, per year	\$25
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DTIC's retrieval analysts will also search the Research Summaries collection to fill unique one-time needs.

Cost per search	\$26
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Technical Reports

DTIC's Technical Reports (TR) collection contains nearly 2 million preliminary, initial, summary, periodic, and final reports in print and non-print (software, datafiles, databases and video-recordings) format conveying the results of Defense-sponsored research, development, test and evaluation (RDT&E) efforts. It includes technical reports, journal articles, DOD-sponsored patent applications, studies and analysis reports, open source literature from foreign countries, conference proceedings, reprints, and theses. DTIC has also acquired Library of Congress Federal Research Division records that cover a variety of foreign and domestic subject areas. Information from the TR collection is available through a variety of current awareness products, through Secure STINET (see page 10), through DROLS and Web-Enabled DROLS, on CD-ROM, or on request.

DATABASE PRODUCTS

Automatic Document Distribution

<http://www.dtic.mil/dtic/add.html>

The Automatic Document Distribution (ADD) program offers the quickest and least expensive means for acquiring DOD-sponsored technical reports that are timely and relevant to your interests. Your profile is automatically compared with information on newly accessioned technical reports twice monthly. Whenever there is a match, a microfiche copy of the technical report is automatically sent. Unclassified, limited distribution, and classified documents are available through the ADD program based on a user's need-to-know and distribution limitations.

Cost per document \$0.55

Automatic Magnetic Tape Distribution

<http://www.dtic.mil/dtic/amtd.html>

The Automatic Magnetic Tape Distribution (AMTD) program provides, on magnetic tape, citations to all (unclassified/unlimited distribution, unclassified/limited distribution, and classified) technical reports added to DTIC's collection during the previous 2-week period. Access to limited and classified information is based on a user's need-to-know and distribution limitations.

Cost per year to non-U.S. DTIC users \$1500

U.S. DTIC users Free

Current Awareness Bibliography

<http://www.dtic.mil/dtic/cab.html>

A Current Awareness Bibliography (CAB) subscription provides a twice monthly paper copy bibliographic listing of all newly acquired technical reports which match your subject interest profile.

Cost per profile, per year \$25

Electronic Current Awareness Bibliography

<http://www.dtic.mil/dtic/cab.html>

An Electronic Current Awareness Bibliography (ECAB) subscription provides a twice monthly bibliographic listing delivered by email of all newly acquired technical reports which match your subject interest profile.

Cost Free

ECAB-DOCS

This subscription service provides a twice monthly full-text document listing delivered by email of all newly acquired technical reports which match your subject interest profile. A subscription to Secure STINET is required.

Retrospective Bibliography on Magnetic Tape

The Retrospective Bibliography on Magnetic Tape product provides, on magnetic tape, citations to technical reports retrieved from DTIC's Technical Reports Bibliographic Database based on search parameters requested by the customer.

Cost (per 2,000 citations) \$400

The DTIC Review

<http://www.dtic.mil/dtic/review/index.html>

The DTIC Review brings readers a sampling of selected full-text documents from the DTIC collection on a topic of current interest, as well as a bibliography and Internet addresses to other related references. Recent issues are:

Cybernetics: Enhancing Human Performance Mar 2001

ADA-385219/CAA (Vol. 5, No.3)

Real-Time Communication Dec 2000

ADA383803/CAA (Vol. 5, No.2)

Information Terrorism Mar 2000

AD-A373756/CAA (Vol. 5, No. 1)

Urban Warfare Aug 1999

AD-A366079/CAA (Vol. 4, No. 4)

Cost per issue \$25

Subscription (4 issues/year) \$85

Internet version Free

TR Database on CD-ROM

<http://www.dtic.mil/dtic/tredrom.html>

The TR Database on CD-ROM is an unclassified, limited distribution subscription product with export-controlled data. It consists of over 1.5 million unclassified bibliographic citations and abstracts to technical reports, journal articles, regulatory publications, conference proceedings, DOD-sponsored patents and patent applications, software, datafiles, databases and videos found in DTIC's Technical Reports collection. Each quarterly update provides a complete issue that includes an additional 3 months of newly acquired material. This well-received product is extremely user friendly, allows fast retrieval, has easy-to-use pull down menus, and simple search language which make it a great search training tool for end users and information professionals alike. It employs Microsoft Windows technology and runs on Microsoft Windows '95, '98, 2000, ME or NT 4.0 workstations. Networking the TR Database on CD-ROM is permitted to those eligible to receive export-controlled information.

Note: Each simultaneous user requires a one-time software license fee of \$100.

Cost per subscription/per year \$600



Online Resources

DTIC provides information delivery services using online technologies (system development, data administration, network administration and security, as well as collaborative technologies) to place information at the fingertips of our user community. Electronic mailing lists enable DTIC to disseminate information to its users quickly. The DTIC Homepage provides a look at the organization, its processes, and products and services, and leads users to Defense-related information resources. Web-Enabled DROLS uses the power of the Verity search engine combined with some of the unique features of the traditional DROLS system. STINET Service is one of DOD's largest online repositories of scientific and technical information available today.



Defense Technical Information Center Homepage

<http://www.dtic.mil/>

DTIC, a major component of the DOD STIP, contributes to the management and conduct of Defense research, development, and acquisition efforts by providing access to and transfer of scientific and technical information for DOD personnel, DOD contractors and potential contractors, and other U.S. Government agency personnel and their contractors. The DTIC Homepage provides a look at the DTIC organization, its processes, and products and services, and leads users to Defense-related information resources.

Defense Virtual Library

<http://dvl.dtic.mil/>

DTIC, the Defense Advanced Research Projects Agency, and the Corporation for National Research Initiatives have developed a prototype Defense Virtual Library, a pilot digital library project utilizing Digital Object Architecture research. The prototype, the Defense Virtual Library project, establishes a framework in which DTIC can build future network-based services and collections, and is a testbed in which to further refine Digital Object Architectures. This phase of the prototype introduces separate searchable collections in electronic format.

DAL (DOD Dissemination Authority List)

<http://www.dtic.mil/dal/>

The DOD Dissemination Authority List (DAL) provides the official listing of all U.S. Government organizations and their contractors, grantees, and others that are registered with DTIC to receive DOD scientific and technical information services.



DROLS (Defense RDT&E Online System)-Legacy

<http://www.dtic.mil/dtic/drols.html>

DROLS is a classified interactive system that provides access to DTIC's major databases. Direct access to DROLS using STU-III dial-up or a KG encrypted dedicated telephone line links you to DTIC's central computer in Virginia. From your remote terminal you can search, retrieve, display, and order documents and research summaries. This subscription product is available to DTIC-registered users. In the future, classified DROLS users will be able to access the Web-based system on SIPRNET.

Cost per year, per user

\$125

Cost per connect hour

\$ 40

Web-Enabled DROLS

<http://www.dtic.mil/dtic/wed.html>

Web-Enabled DROLS (WED) is a web-based version of the traditional Defense RDT&E Online System (DROLS). It provides access to virtually all of the unclassified, unlimited and unclassified, limited distribution citations in the Technical Reports Bibliographic database as well as access to the unclassified, limited distribution Research Summaries (new name for the DOD research in progress records). In addition, it provides access to the newly accessioned full-text Technical Reports. It uses the power of the Verity search engine combined with some of the unique features of the traditional DROLS system not normally found in commercial search engines such as multiple display formats, user defined display formats, retrieve set sorting, a controlled vocabulary hierarchy search capability, and the corporate source hierarchy search feature. The DTIC Thesaurus and the DTIC Corporate Source Hierarchy are resources included in the WED. Users can use these tools to identify terms and organizations for their search strategies and hyperlink them to the search page. This subscription product is available to DTIC-registered users.

Cost per year, per user

Free

ONLINE RESOURCES

Electronic Mailing Lists

<http://www.dtic.mil/dtic/listservs.html>

DTIC's electronic mailing lists are the fastest way to learn about DTIC's new products and services or enhancements to existing products and services. Interacting with the lists is done through standard electronic mail packages.

To subscribe to any of DTIC's electronic mailing lists, send an email message in the following format:

To: listserv@dtic.mil

Subject: Leave blank.

Message: subscribe (list name) your name (e.g., subscribe user-l john doe)

CAB-L: Available to Current Awareness Bibliography (CAB) and Electronic Current Awareness Bibliography (ECAB) subscribers.

CODEV-L: Provides a mechanism for DTIC contributors to communicate easily with DTIC to ask questions, identify problems, and submit suggestions. Contributors to any of DTIC's collections are encouraged to subscribe.

DefNISO-L has been established as a focal point for discussion of and comment on National Information Standards Organization (NISO) activities as they relate to U.S. Department of Defense activities. NISO develops and maintains the American National Standards Institute (ANSI) standards for information services and data access in print and automated formats.

DROLS-L: Available to Defense RDT&E Online System (DROLS) subscribers.

MILAS-L: Assists DOD librarians in their automation activities.

RAI-L: Available to those organizations who order Research Summaries.

STINET-L: Available to Secure STINET subscribers. Secure STINET subscribers are automatically added to the mailing list.

STINFO-L: Provides STINFO-related information. This service is maintained by the HQ USAF Library and Information System, San Antonio, TX, and moderated by a DTIC staff member.

TRCDROM: Available to Technical Reports Database on CD-ROM subscribers.

USER-L: Available to all DTIC registered users. Informs DTIC users of new and enhanced products and services faster than receiving the information through normal mail channels.

WED-L: Available to Web-Enabled DROLS subscribers. WED subscribers are automatically added to the mailing list.

Online Resources

STINET (Scientific and Technical Information Network) Service

DTIC's STINET service is one of the DOD's largest online repositories of scientific and technical information available today. STINET is especially useful to researchers, engineers, scientists, and program managers who are not experts in information retrieval. STINET provides, via the Internet, access to a vast collection of resource information and mission critical documentation. Designed for the neophyte as well as the experienced researcher, it features a new search engine, with more search capabilities than before. . .so searching functions are easier and more specific, and ordering capabilities are streamlined and state-of-the-art!

STINET Service is available in two versions: Secure STINET (available to registered DTIC users) and Public STINET (available to the general public).

Secure STINET

<http://stinet.dtic.mil/info/>

Secure STINET is a subscription product that is available to registered DTIC users. It provides database searching capability of citations to unclassified, unlimited distribution documents added to DTIC's technical reports collection since 1974; citations to unclassified, limited distribution documents added to DTIC's technical reports collection since 1985; the most recently accessioned full-text reports added to DTIC's technical reports collection; active and inactive Research Summaries from 1965 to present; access to the Independent Research and Development database that provides information on research and technology projects initiated and performed by DOD contractors from 1993 to present; a language translator; gray literature; online search and retrieval services providing access to thousands of international journal articles and conference papers; and much more.

Cost:

DOD Agencies and Military Services

(including Military Schools):

Free

All Others:

\$50

Per year/per initial subscriber within an organization; \$20 per year/per additional subscriber within an organization.

STINET

<http://stinet.dtic.mil/>

STINET is free of charge and only requires registration upon document ordering. STINET offers many of the features of Secure STINET. Since it is available to the general public, it provides access to citations to unclassified, unlimited distribution documents that have been entered into DTIC's technical reports collection from late December 1974 to present. The full text of the most recently accessioned unclassified, unlimited distribution documents are available for downloading. In addition, STINET covers a wide range of topics including Government and university research, conference proceedings, and strategic planning, and features documents contained in DTIC's special collections.

Cost:

Free



ONLINE RESOURCES

RDDS (Research and Development Descriptive Summaries)

<http://www.dtic.mil/rdds/>

Research and Development Descriptive Summaries include narrative information on Research, Development, Test, and Evaluation (RDT&E) Programs and Project Elements within the DOD. The RDDS repository contains data from the military services and a host of other Defense agencies.

TopicLINKS

<http://www.dtic.mil/dtic/dticb/brr/topiclinks.htm>

TopicLINKS is a gateway to scientific and technical information web sites from the U.S. Government. Under each topic, there are links

that lead to online publications, databases, and web sites. The sites also often contain links to other locations and related sources of information on the Internet.

TRAIL (Technical Report Awareness Internet Links)

<http://www.dtic.mil/trail/>

TRAIL is a group of 25 subject-based electronic mail lists designed to make individuals aware of DTIC's most recently accessioned unclassified, unlimited distribution technical reports. Every 2 weeks, citations are sent to the subscriber based on the broad subject fields they have selected via email. Customers may subscribe to any number of lists.



JOINT-PRODUCED RESOURCES

(<http://www.dtic.mil/dtic/joint-inet.html>)

These next pages list some of the research, development and acquisition web resources that DTIC has produced for, and in coordination with, other organizations.

Aerospace Guidance and Metrology Center (AGMC):

<http://www.dtic.mil/ozone/fulltext.html>

AGMC is a key facility within the Air Force Materiel Command (AFMC) playing a vital role in maintaining the operational readiness of the Air Force's first line aircraft and missiles. The center repairs inertial guidance and navigation systems used by virtually every aircraft and missile to ensure that it arrives on target, on time, and on command.

Aerospace in the 21st Century (Electronic Bibliography):

<http://www.dtic.mil/aerospace/>

This web site explores the field of Aerospace and the advanced developments, research and technologies that are expected 20-50 years in the future. This information has been compiled for the NATO Research and Technology Organization (RTO) (formerly the Advisory Group for Aerospace Research and Development (AGARD)).

Air Force Heritage of America Band:

<http://www.af.mil/accband/>

The 61-member USAF Heritage of America Band promotes America's national heritage and supports Air Force community relations, troop morale, and recruiting programs through live performances, recordings, and online services. Stationed at Langley Air Force Base, Virginia, the band has set the standard for musical excellence in the Mid-Atlantic region for over 50 years.

AirForceLink:

<http://www.af.mil/>

AirForceLink is the official Department of the Air Force Homepage and the starting point for locating information about the Department of the Air Force, its organization and its functions. In addition to links to over 700 sites within the Air Force, detailed information about the Air Force mission and programs, continuously-updated news releases, audio broadcasts, and an extensive

library of publications and speeches, this service also provides the opportunity for Air Force employees (civilian, enlisted, officer, and retired) to access personnel information. Military members may also request specific assignments from listings posted on the site. Automated processes are used widely throughout this site.

AirForceLink Jr.:

<http://www.af.mil/aflinkjr/>

This site is designed to provide children ages 6 to 12 with a fun, safe place on the web to learn more about the Air Force. It includes a selection of games, a media room and a post office for sending post cards with an Air Force theme to friends.

Air Force Office of Special Investigations (AFOSI):

<http://www.dtic.mil/afosi/>

AFOSI is responsible for providing commanders of all Air Force activities independent professional investigative services regarding fraud, counter-intelligence and major criminal matters by using a worldwide network of military and civilian agents at all major Air Force installations and a variety of special operating locations. AFOSI has been the Air Force's major investigative service since 1 Aug 48.

Air Land Sea Application Center (ALSA):

<http://www.dtic.mil/alsa/>

ALSA rapidly and responsively develops multi-service tactics, techniques and procedures facilitating joint information exchange and operational solutions across the entire military spectrum -- meeting the immediate needs of the warfighter.

Air University Library Index to Military Periodicals (AULIMP):

<http://www.dtic.mil/search97doc/aulimp/main.htm>

This page is a subject index to significant articles, news items, and editorials from English language military and aeronautical periodicals.

JOINT-PRODUCED RESOURCES

American Forces Information Service (AFIS):

<http://www.defenselink.mil/afis/>

The AFIS Homepage keeps Defense Department personnel informed about policies, programs and issues affecting their lives. AFIS provides news services, visual information products and entertainment programming to military people, DOD civilians and their families worldwide. Its components include: the Armed Forces Radio and Television Service (AFRTS), which provides radio and television programs to 1 million service members and their families overseas; the Print Media Directorate, which oversees policy for all DOD newspapers, pamphlets and periodicals, and serves as the Defense Department's contact with Congress, the public and government agencies for print media issues; the Defense Visual Information Directorate, which develops policy for and oversees DOD visual information functions and conducts the Joint Combat Camera program, is the Pentagon's central reception and distribution point for still and motion imagery of current U.S. military operations.

American Forces Press Service (AFPS):

<http://www.dtic.mil/afps/>

American Forces Press Service provides news stories, feature articles, line art and photographs for editors of Department of Defense publications, Military Service public affairs officers, and news directors of the Department's broadcast media.

Annual Reports to the President and Congress:

http://www.dtic.mil/execsec/adr_intro.html

The Annual report to the President and Congress, commonly referred to as the Annual Defense Report (ADR), is published on this site. ADRs from 1995 to the present are available and may be searched by topic. Print copy ordering information is also supplied. Each year's ADR generally is published on this site within 48 hours of its issuance. The timeliness of the ADR publication has been commended by the Secretary of Defense.

Army Broadcasting Service (ABS):

<http://www.dtic.mil/armylink/abs/>

The Army Broadcasting Service brings America home for soldiers, civilians and their families serving overseas. Their international networks and stations broadcast American radio and television to United States Army soldiers, civilians and their families serving across the globe. To do that, they provide the manpower and resources, guidance and command structure for their networks and stations overseas.

ArmyLINK:

<http://www.dtic.mil/armylink/>

The site for Army Public Affairs carries out that organization's mission to inform and help establish the conditions that lead to confidence in America's Army and its readiness to conduct operations in peacetime, conflict, and war. It provides news releases, a link to the America's Army site, which is the overall Army web resource, and many other public affairs products and features.

Army's Residential Communities Initiative:

<http://rci.army.mil/>

Army's Residential Communities Initiative (RCI) site supports the Military Housing Privatization Initiative which provides the Services with alternative authorities for construction and improvement of military housing. The Army's RCI program emphasizes partnering with the private sector to build better Army communities. Under RCI, the Army will establish long-term business relationships with private sector developers for the purpose of improving military family housing communities. The Army will transfer land and family housing assets to a developer who will serve as the master community developer for military communities. The web site will help find and develop private sector partners who are willing to support the residential communities initiative.

ASD C3I:

<http://www.c3i.osd.mil/>

This Office of the Assistant Secretary of Defense for Command, Control, Communications and



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Intelligence (OASD (C3I)) and the Department of Defense Chief Information Officer's (DOD CIO) site provides information about the organizations' functions, policies, and guidance including official references and documents for use by DOD components, and public speeches, presentations, and articles by senior DOD managers.

Assistant to the Secretary of Defense for Intelligence Oversight:

<http://www.dtic.mil/atsdio/>

The Intelligence Oversight office publishes information to help all Department of Defense (DOD) intelligence organizations and personnel understand Intelligence Oversight and the role that the ASD(IO) office plays in this area, including the purpose and conduct of inspections and visits. It also provides information about the precautions that the DOD takes to ensure that its intelligence activities are carried out in ways that do not infringe on constitutional rights.

Bio Systems:

<http://www.dtic.mil/biosys/>

DUSD (S&T) Bio Systems Office develops guidance, provides leadership and oversight in the following technology areas: Human Systems, Biomedical, Chemical/Biological Defense, Environmental Quality, and Civil Engineering. Reviews and evaluates S&T program execution to ensure requisite quality and to assist in prioritizing technical efforts to ensure adequate emphasis to military requirements and long-term needs.

BosniaLINK:

<http://www.dtic.mil/bosnia/>

BosniaLINK is the official DOD information system about U.S. military activities in Operation JOINT ENDEAVOR, the NATO peacekeeping mission in Bosnia. BosniaLINK contains operation maps, fact sheets, news releases, biographies of key commanders and leaders, and transcripts of briefings, speeches and testimony. This system is provided by the Office of the Assistant Secretary of Defense for Public Affairs and all information in BosniaLINK is publicly released from the U.S. Government or NATO Headquarters.



CENDI:

<http://www.dtic.mil/cendi/>

CENDI is an interagency cooperative organization composed of the scientific and technical information managers from the Departments of Commerce, Education, Energy, NASA, NLM, Defense, and Interior (National Biological Service). CENDI's mission is to improve the production of Federal science and technology programs through the development and management of effective scientific and technical information support systems.

Current News Early Bird:

<http://ebird.dtic.mil/>

The Electronic Early Bird (EEB) and its companion publications, Supplement and Radio-TV Defense Dialog, provide key DOD leaders with news items of interest to them in their official capacities. These products are compendia of articles and broadcasts which are of interest to DOD officials. This site provides electronic delivery of all three documents and makes it very easy to access the hottest DOD news for the day. *Access is only available to .MIL domains, and to active members of the Department of Defense.*

DDR&E:

<http://www.dtic.mil/ddre/>

The Director of Defense Research and Engineering (DDR&E) is the chief technical advisor to the Secretary of Defense and the Under Secretary of Defense for Acquisition and Technology (USD(A&T)) on defense science and technology (S&T) development, priorities, programs and strategies. In this capacity, DDR&E oversees the DOD S&T program. This site includes articles and papers, briefings and speeches, plans and documents, and testimony.

DUSD (Science & Technology):

<http://www.dtic.mil/dusdst/>

The Deputy Director of Defense Research and Engineering, Dr. Delores M. Etter, is also the Deputy Under Secretary of Defense for Science and Technology responsible for strategic planning, budget allocation, and program execution and evaluation. In addition, she ensures that the national Defense objectives are met by the \$7 billion per year DOD Science and Technology Program.

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DDR&E (Weapons Systems):

<http://www.dtic.mil/ddre/wt/>

The DUSD(S&T) Weapons System Office provides technical leadership, management oversight, policy guidance and coordination for weapons technologies, platform and system technologies, and materials/processes technologies for DOD.

Defense Contract Audit Agency (DCAA):

<http://www.dcaa.mil>

DCAA is responsible for performing all contract audits for DOD. DCAA provides accounting and financial advisory services regarding contracts and subcontracts to all DOD components responsible for procurement and contract administration. This web site represents an expansion of the Agency's efforts to communicate their progress and accomplishments to customers, employees, and the general public.

Defense Fact File:

<http://www.defenselink.mil/sites/f.html#facts>

The Defense Fact File is an inter-Service collection of important information. The DOD Fact File was designed and edited for reporters, and to assist military public affairs offices in giving maximum access and information to the civilian media. The Services maintain online Fact Files, focusing primarily on weapons, ships, aircraft and related equipment.

Defense Federal Acquisition Regulations Supplement (DFARS):

<http://www.acq.osd.mil/dp/dars/dfars.html>

The Defense Acquisition Regulations (DAR) Office is responsible for DOD contracting regulations. It writes, edits, coordinates, publishes, distributes and maintains the DFARS. The DAR Office created this prototype electronic full-text version of the DFARS. From this page it is possible to both search and browse the latest version of the DFARS.

Defense Information System Network (DISN) Video

Teleconferencing Homepage:

<http://disa.dtic.mil/disnvtc/>

The DISN VTC (NS55) organization assists in defining operational requirements for new customers, subscribes users to the DISN video ser-

vices network, and provides support to current customers. Their services meet all industry standards and operate using state-of-the-art equipment. DISN video services are only available to DOD and the Federal government.

DefenseLINK:

<http://www.defenselink.mil/>

DefenseLINK provides the highest level entry into the official information resources made available on the Web by various components of the DOD. The audience for DefenseLINK is the media and the general public, in addition to DOD employees. Links are available to a majority of OSD component organizations; the Joint Staff; the Unified Commands; and the Armed Forces, including the Reserves and the National Guard. Links are also available to: all official Defense news releases and photos; a selection of frequently asked questions; major publications such as Defense Issues and the Quadrennial Defense Review; the Guide to Defense Organization and Functions; and a wide selection of material of general and historical interest. Additionally, the DefenseLINK Locator provides search access to the database of DOD GILS records. Automatic processes are used throughout DefenseLINK to assure that the information presented is as current and accurate as possible.

Defense Prisoner of War/Missing Personnel Office:

<http://www.dtic.mil/dpmo/>

This site helps the public in understanding the U.S. Government's effort to achieve the fullest possible accounting of our missing in action from all wars. The site includes weekly updates on identification of remains and other significant events; current and archived copies of the DPMO Newsletter; special reports; schedules for significant events such as family updates; and news releases.

Defense Privacy Office:

<http://www.defenselink.mil/privacy/>

This office publishes documents which detail the Defense Privacy Office's mission and functions, organization, statutory/regulatory authority, guidance and responsibilities, associated DOD Directives and Regulations, Defense Privacy Board Advisory Opinions, DOD and Government-wide Privacy Act Notices, Privacy Office Reports, and links to other sites of interest.



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Defense Reform:

<http://www.defenselink.mil/dodreform/>

The DRI Office was established to facilitate, coordinate and introduce reform initiatives complementary to other ongoing reforms, within and outside the Department.

Defense Security Service Academy:

<http://www.dss.mil/training/>

The DSS Training Office provides consolidated training within the DOD for security professionals within the DOD, other Government agencies, and the Defense contractor community in an effort to enhance the quality of the security programs. Included are: security course schedules and descriptions, select publications and references, and points of contact. *The information at this site was formerly available from the DOD Security Institute (DODSI).*

Defense Travel System:

<http://www.dtic.mil/travelink/>

Defense Travel System, the Project Management Office's Defense Travel System Website, provides the latest information on the DOD's reengineering of the temporary duty travel (TDY) process.

Defense Virtual Library (Prototype):

<http://dvl.dtic.mil/>

DTIC, the Defense Advanced Research Projects Agency (DARPA), and the Corporation for National Research Initiatives (CNRI) have developed a prototype Defense Virtual Library, a pilot digital library project utilizing Digital Object Architecture research. A prototype, the Defense Virtual Library project, is being developed to establish a framework in which DTIC can build future network-based services and collections, and is developing a testbed in which to further develop and refine Digital Object Architectures. This phase of the prototype introduces separate searchable collections in electronic format.

Department of Defense Environmental Cleanup:

<http://www.dtic.mil/envirodod/>

The Assistant Deputy Under Secretary of Defense, Environmental Cleanup Office, devel-

ops policy to reduce the risks to public health and the environment at active, formerly used, and closing bases, while ensuring that DOD environmental cleanup policy conforms to existing laws and regulations. This resource provides a range of the most up-to-date information on DOD's billion dollar cleanup program.

Department of Defense

Environmental Resources:

<http://www.dtic.mil/envirodod/dodenvir.html>

This site is a growing list which points users to all Internet sites relating to the environmental activities of the DOD. It includes sites authored by OSD and branches of the U.S. armed forces. It unites many disparate resources in one central list for the use of the environmental community.

Department of Defense Joint Engineers Management Panel:

<http://www.dtic.mil/jemp/>

The Joint Engineers Management Panel (JEMP) implements Defense S&T Reliance policy for Civil Engineering and Environmental Quality Research and Development in concert with the normal S&T planning and programming process used by the DOD Services. In addition to such sections as the JEMP organization chart and an events calendar, the site provides information on research goals and activities in the areas of Environmental Quality and Civil Engineering, two main issues with which the Panel is concerned.

Department of Defense Office of the Executive Secretary:

<http://www.dtic.mil/execsec/>

This site is designed as a source of information to assist in better understanding one portion of the Department's operations including the Office mission, organization and annual reports.

Annual Reports to the President and Congress:

http://www.dtic.mil/execsec/adr_intro.html

The Annual Report to the President and the Congress, commonly referred to as the Annual Defense Report (ADR) is published on this site.

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Science & Technology

ADRs from 1995 to the present are available, and may be searched by topic. Print copy ordering information is also supplied. Each year's ADR generally is published on this site within 48 hours of its issuance. The timeliness of the ADR publication has been commended by the Secretary of Defense.

Department of Defense Sports Office:

<http://armedforcessports.dtic.mil>

The Sports Office provides information on DOD sports programs, and the exchange of information between the Service sports professionals and our military athletes throughout DOD. Results of Armed Forces athletic competitions are also found on the site, as is information about international military sports competitions. Contact information is provided for those interested in participating in DOD sports programs.

Directory of Design Support Methods:

<http://dticam.dtic.mil/hsi/index.html>

This Web site contains references to databases, handbooks, data guides, texts, journals, standardization documents, prototype and interface design tools, analytic techniques, and computer simulation software. The DDSM serves as a resource for applying human systems integration principles, to be used by anyone who is designing a system or evaluating a system design. The site supports a cross-agency group in which the DOD is represented by the Department of Defense Human Factors Engineering Technical Advisory Group (DOD HFE TAG).

DOD Contracting Regulations:

<http://www.acq.osd.mil/dp/dars/>

This Homepage provides information about the DAR (Defense Acquisition Regulations) system including a statement on its organization and mission, and listings of the DAR Council members, the DAR Directorate staff, and the 25 DAR committees. In addition, it provides information on the status of the open FAR (Federal Acquisition Regulation) and DFARS (Defense Federal Acquisition Regulations Supplement) cases, a matrix of FAR contract clauses, full text

Departmental letters, and other sources of information on the FAR and DFARS.

DOD PortalWEB:

<http://www.dtic.mil/dtic/dtic-e/portal/>

DOD PortalWEB is a website dedicated to providing up-to-date information on research and development efforts in the area of portal technology ongoing within DOD, industry, and academia. This site is hosted by DTIC and provides descriptions of and links to innovative research projects, government tools and commercial products.

Dual Use Science and Technology Program:

<http://www.dtic.mil/dust/>

Dual Use Science and Technology Program reports to the DOD Office of Technology Transition located within the DUSD(S&T). The Dual Use S&T Web page gives you details about the DOD Dual Use Science and Technology effort: Activities, Projects, Guidance, Documents, etc.

EDUGATE (DOD Education Gateway):

<http://www.acq.osd.mil/ddre/edugate/>

This Homepage provides a gateway to education efforts sponsored by the DOD, and includes information about education enhancement programs: scholarships, apprenticeships, partnerships, Historically Black Colleges and Universities and Minority Institutions programs and information, equipment transfer, and science and mathematics experiments.

GulfLINK:

<http://www.gulflink.osd.mil/>

The Office of the Special Assistant for Gulf War Illnesses site includes such components as a bimonthly newsletter, Congressional testimony, an events calendar, military service histories of significant operations, case narratives of key events, and medical information. The user is offered a choice of two search engines to use in accessing the content of the site, and a comparison matrix is provided to assist in choosing which engine is most effective for a specific purpose.

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One of the most significant and popular technology applications now found on the site is an email function which allows veterans who have questions or concerns about the investigations into Gulf War illnesses to communicate directly with DOD through email. This mechanism not only gives the veterans and other interested parties a way to direct specific inquiries or comments to the Special Assistant's office, but it also provides DOD with a mechanism to obtain more information from veterans who served in the Gulf.

Inspector General of the Department of Defense:

<http://www.dodig.osd.mil/>

The DOD Inspector General (IG) serves as an independent and objective official in the DOD who is responsible for conducting, supervising, monitoring, and initiating audits and investigations relating to programs and operations of the DOD.

International Aerospace Information Network:

<http://www.dtic.mil/iain/>

The International Aerospace Information Network (IAIN) Homepage is a prototype developed by the NATO Research and Technology Organization (RTO) (formerly the Advisory Group for Aerospace Research and Development (AGARD)). It is designed to guide you to aerospace and aerospace-related sources of information. This Homepage serves to identify and provide access to major collections of data relevant to aerospace research and development (R&D), as well as a vehicle to stimulate the integration and access of multidisciplinary data related to aerospace R&D. Comments and suggestions are solicited.

International Plans and Programs Directorate:

<http://www.dtic.mil/iain/>

The International Plans and Programs (IP&P) Directorate within the office of the Deputy Under Secretary of Defense for Science and Technology (DUSD (S&T)) is responsible for planning, negotiation and execution of cooperative programs in science and technology between the United States

Department of Defense (DOD) and all international allies and coalition partners around the world. This mission includes providing strategic leadership and vision to scientific and technological activities carried out in multinational alliances and in bilateral programs with individual allies and coalition partners in Western, Central and Eastern Europe, Asia, Australia, Africa and the Americas. The IP&P Directorate represents DOD on the White House National Security and Technology Policy Committee, and provides advice and counsel to the President's Science Advisor. Additional support is provided on behalf of DOD to the White staff, the Department of State and to the multinational Organization for Economic Cooperation and Development on matters of national science and technology policy.

JCSLink:

<http://www.dtic.mil/jcs/>

This site consists of information about the Joint Staff organization as a whole and individual staff components; it includes a full-text search capability. Visitors can find the J-Scope Newsletter, detailed information about Joint Doctrine, the Joint Forces Quarterly, and documents relevant to the JCS, such as the Goldwater-Nichols Act, in the Library. All of the JCS staff components are represented within the site.

Joint Doctrine:

<http://www.dtic.mil/doctrine/>

Within the Joint Doctrine site are the Joint Vision 2010 documents, the Joint Electronic Doctrine Forum, and links to other related doctrine sites. The significance of this site is its overarching importance to the present and future direction of the operational doctrine arena.

Korean War 50th Anniversary Commemorative Homepage:

<http://korea50.army.mil/>

The Korean War 50th Anniversary Commemorative Homepage is the official, public access web site for the DOD commemoration of the 50th Anniversary of the Korean War and is the starting point for all public information regarding events during the commemorative period which runs from 25 June 2000 through 27 July 2003.

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LabLINK:

<http://www.dtic.mil/lablink/>

LabLINK provides a single access point to the DOD laboratory activities and presents a spectrum of government, academic, non-profit and private industry information sources on science and technology research and policy. In addition to improving communication and connectivity among the DOD laboratory activities, LabLINK incorporates information of interest to other Federal laboratory activities, international science and technology military alliances or consortia, private sector industrial science and technology activities, academia, and learned societies.

MAPsite:

<http://dticaw.dtic.mil/mapsite/>

This is the single-site entrance to many personnel and family support resources, including a wide variety of information on moving, and a collection of financial assistance and advice; the DOD Military Child Development Program, which outlines the overall program and provides numerous links to specific information of use to individual families; and Military Teens On the Move (MTOM) which offers tips on teens living within a parent's military career and also provides a moderated chat room exclusively for military teens. The site also links to resources of particular interest to military personnel such as the Defense Outplacement Referral Service and the Military Family Resource Center.

Militarily Critical Technologies:

<http://www.dtic.mil/mctl/>

The Militarily Critical Technologies List (MCTL) is a detailed and structured compendium of the technologies the DOD assesses as critical to maintaining superior United States military capabilities.

NATIBO:

<http://www.dtic.mil/natibo/>

The North American Technology and Industrial Base Organization's (NATIBO) primary purpose is to identify and analyze key industrial sectors that are critical to defense, assess the viability of these sectors, identify issues and barriers related

to sector viability, and develop strategies to enhance and sustain the health of the marketplace.

National Defense Panel:

<http://www.dtic.mil/ndp/>

The National Defense Panel (NDP) disseminates information about the work of the NDP such as the Panel report and an overview summary of findings; relevant legislation and congressional testimony; Panel recommendations and Secretary of Defense comments; background information such as Panel member biographies; and a comment bulletin board.

The National Guard (GuardLINK):

<http://www.ngb.dtic.mil/>

This site provides virtual, on-demand information about the National Guard Bureau, the Army National Guard, the Air National Guard, and National Guard-sponsored organizations and events.

Next Generation Fire Prevention (NGP):

<http://www.dtic.mil/ngp>

NGP is a joint DOD and NIST program to develop and demonstrate, by 2005, retrofitable, economically feasible, environmentally acceptable and user-safe processes, techniques, and fluids that meet the operational requirements currently satisfied by halon 1301 systems in aircraft, ships, land combat vehicles, and critical mission support facilities.

Office of the General Counsel (OGC):

<http://www.defenselink.mil/dodgc/>

The OGC Web site presents an overview of the general mission and structure of the organization and its component offices. Subordinate sites include the Defense Office of Hearings and Appeals (DOHA), the Legislative Reference Service (LRS), and the Standards of Conduct Office (SOCO). The DOHA site supplies hearings and appeals information for individual programs such as: Special Education, Personal Appearance, TRICARE/CHAMPUS, Claims,

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Industrial Security, and Alternative Dispute Resolution. There are also links to related sites and a direct email feature. The LRS site includes a searchable collection of House and Senate bills, and links to other relevant documents, procedures, authorities, and processes. As part of the Defense Legal Services Agency, SOCO provides information on its site about the ethical standards that apply to every DOD employee, both civilian and military.

Organizations and Functions

Guidebook:

<http://www.defenselink.mil/pubs/ofg/>

This Guide outlines the functions of the Office of the Secretary of Defense (OSD), Defense Agencies, and DOD Field Activities. Where appropriate, the functional statement cites the pertinent Department of Defense (DOD) Directive which charters the organization and provides more detailed information on the authorities, responsibilities, and functions of the organization. General information on the Military Departments, Chairman of the Joint Chiefs of Staff and Joint Staff, Armed Forces Policy Council, Unified Combatant Commands, and the Inspector General of the DOD is also provided. More detailed information may be found in DOD Directives, the United States Government Manual or by direct contact with those organizations.

OUSD (Comptroller):

<http://www.dtic.mil/comptroller/>

This site publishes: the entire body of Financial Management Regulations and Financial Management Policy documents; detailed information about the Task Force on Defense Reform; a current view of DOD's National Performance Review activities; and the President's DOD Budget Submissions for FY98 FY99, FY00 and FY01.

OUSD for Personnel and Readiness:

<http://dticaw.dtic.mil/prhome/>

The Office of the Under Secretary of Defense for Personnel and Readiness (P&R) is responsible for development of policy for DOD plans and

programs to assure readiness and provide members of the force and their families a quality of life commensurate with their contributions to the nation. This site provides an overview of the divisions within P&R, Force Management Policy, Health Affairs, Reserve Affairs, Program Integration, and Readiness. It includes important surveys and reports, news and publications, and ongoing projects.

Per Diem:

<http://www.dtic.mil/perdiem/>

This site provides regularly updated information on rates for per diem, travel and transportation allowances and entitlements worldwide. These rates are used throughout offices within the DOD.

Presidential Advisory Committee on Gulf War Veteran's Illnesses:

<http://www.gwvi.ncr.gov/>

This site is no longer active, but is still available to give the public access to the Committee's reports.

RDDS Search Page:

<http://www.dtic.mil/descriptivesum/>

This site provides immediate access to Research and Development Descriptive Summaries (RDDS) by Program Element Number. Other capabilities include boolean searching with relevance ranking and searching by budget activity. Users may choose to search by Service or Agency or any combination with many ways to format results.

Real Estate & Facilities Services:

<http://www.dtic.mil/ref/>

This site covers the wide-ranging responsibilities of the Real Estate & Facilities Services (RE&F) Directorate within Washington Headquarters Services. Included in the site is information on the overall mission and functions of the Directorate; specific details pertaining to both federal and leased properties; emergency procedures and points of contact; Pentagon Building Circulars; functions and points of contact within the Federal Protective Service force; and links to support services.

Research and Development Streamlined

Solicitations/Contracts:

<http://www.rdss.osd.mil/>

The purpose of this site is to provide a standard, streamlined format for research and development solicitations in order to simplify the solicitation, negotiation and award process for industry, academia, and DOD. Rather than issuing the solicitation in the traditional paper format, they appear only on this site where they are accessed by interested offerors. Solicitations are uploaded by contracting officers or their official representative, using a registration process to validate their authenticity. Although proposals are not submitted to this site, information on submission procedures is available through RDSS.

Partnership for Fiscal Integrity:

<http://www.dtic.mil/pfi/>

The Reservist's Resource is a tool developed by an OASD (Reserve Affairs) initiative called the Partnership for Fiscal Integrity (PFI) program. This tool was created to help link reservists searching for active duty opportunities with government agencies in need of their specific skills. By reviewing the Agency "task lists" reservists can look for special opportunities to apply their civilian expertise to benefit the government through their annual active duty tour. When reservists find opportunities that match their civilian expertise, they may immediately apply for consideration via an online form. Reservists may also submit a generic application to be considered for future special duty tasks.

Soldiers Online:

<http://www.dtic.mil/soldiers/>

Soldiers Online is the electronic "sister" of Soldiers magazine, the U.S. Army's official magazine. The purpose of this site is to showcase what America's soldiers, the men and women in the active Army, National Guard and Reserves, do as they serve their country.

Special Oversight Board for Department of Defense

Investigations of Gulf War

Chemical and Biological Incidents:

<http://www.oversight.ncr.gov/>

This site includes the office's establishing Executive Order; transcripts of hearings; information on obtaining assistance for veterans; biographical information for the Board members and the support staff; and links to other resources for Gulf War veterans.

S&T InfoWeb:

<http://stinfoweb.dtic.mil:1066/ddre/infoweb.htm>

This site provides the authoritative source for DOD Science & Technology (S&T) information. Authorized users can view S&T Documents, query select S&T databases, and update information online. This site is sponsored by the Director, Defense Research & Engineering. *Access is limited to .mil sites only*

S&T Laboratory Management:

<http://www.dtic.mil/labman/>

S&T Laboratory Management reports to DUSD (S&T Plans and Programs). The LabMan Web site presents ongoing projects and reports involving DOD laboratories. Among the laboratory areas of interest for which additional information resources are available are: the list of DOD laboratories, Navy university laboratories, Federally-Funded R&D Centers, other Federal laboratories, international defense research, Executive Branch and Congressional websites, and policy analysis sites.

TechTRANSIT:

<http://www.dtic.mil/techtransit/>

TechTRANSIT connects technology transfer resources and activities to meet the requirements of the DOD Office of Technology Transition. TechTRANSIT promotes technology transfer activities such as: spin-on technology opportunities; spin-off transfer to the private sector; and defense conversion with dual-use applications. In addition, links are provided to the technology transfer activities of Federal, state, and international organizations.

JOINT-PRODUCED RESOURCES

TTCP (The Technical Cooperation Panel):

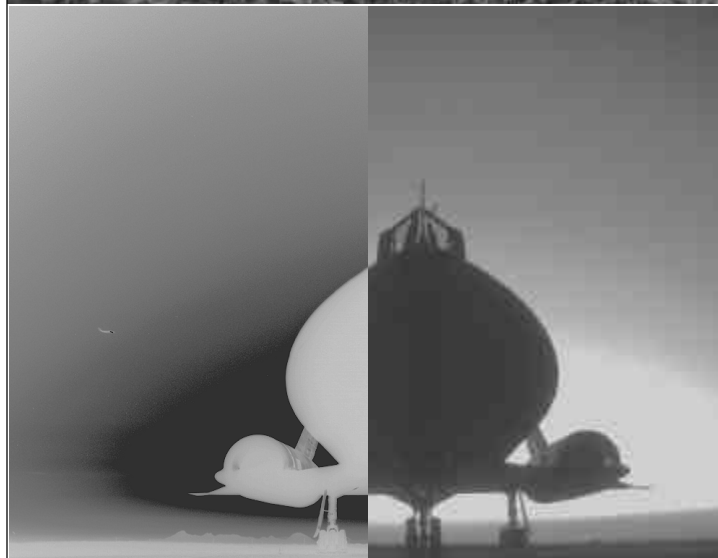
<http://www.dtic.mil/ttcp/>

TTCP is sponsored by the International Plans & Programs Directorate within DUSD (S&T). The Technical Cooperation Program (TTCP) is an international organization that collaborates in defense scientific and technical information exchange; program harmonization and alignment; and shared research activities for the five nations: Australia, Canada, New Zealand, the United Kingdom, and the United States.

United States Marine Corps:

<http://www.usmc.mil/>

The official web site of the U.S. Marine Corps, MarineLINK provides recruitment information, press releases, fact sheets on weapons and equipment systems, and other pertinent U.S. Marine Corps information.



SPECIAL PROGRAMS

Historically Black Colleges and Universities/Minority Institutions (HBCU/MI)

<http://www.dtic.mil/dtic/hbcu.html>

The goal of DOD's HBCU program, which was mandated by Executive Order, is to advance the development of human potential and to strengthen the capacity of HBCUs to provide high quality education. The program has been expanded to include Hispanic Serving Institutions (HSIs), Tribal Colleges and Universities (TCUs) and other Minority Institutions (MIs). DTIC's HBCU program is intended to enhance the HBCUs' capabilities for winning DOD contracts and to enhance their graduate and undergraduate programs by providing the schools with scientific and technical information assistance at no charge.

Small Business Innovation Research (SBIR)

<http://www.dtic.mil/dtic/sbir/>

The DOD SBIR and the related Small Business Technology Transfer (STTR) programs foster participation by small firms with interests in high-tech research and development to address DOD needs. A three-phased system of competitive awards enables small businesses (firms with 500 or fewer employees) to become contractors, developing and commercializing innovative solutions for the wide variety of agency requirements described in SBIR and STTR solicitations. Except for the reservation of limited rights by the U.S. Government, products and processes resulting from SBIR contracts remain the property of the contractors and can be licensed, sold or leveraged to meet commercial needs.

DTIC provides a comprehensive support program to DOD SBIR/STTR participants. Basic services are provided at no cost to the user. For most SBIR/STTR topics, DTIC prepares a Technical Information Package (TIP). TIPs are bibliographic listings from DTIC's Technical Reports (TR) Bibliographic database of background information relating to the topic and are available online at <http://www.dtic.mil/dtic/otip.html>. SBIR users are also encouraged to search the DTIC TR Bibliographic database using Public STINET, and to maintain current subject awareness with DTIC's Technical Report Awareness Internet Links (TRAIL) biweekly email update service.



All DTIC SBIR services are available via the Internet. Through the DTIC SBIR web site, the user has online access to DTIC SBIR/STTR services and current DOD SBIR/STTR publications. OLTIPIs (Online TIPIs) help locate DOD SBIR/STTR topics of interest and the associated TIPIs. Under the DTIC SBIR program, small businesses can receive up to 10 technical reports for free during the SBIR/STTR solicitation periods. Additional documents can be purchased. The SBIR Interactive Topic Information System (SITIS) allows participants to pose technical questions on any active SBIR or STTR topic for response by the appropriate DOD technical personnel. In addition to Internet access, SITIS can also be queried by phone, fax, email and postal mail.

1-800-363-7247

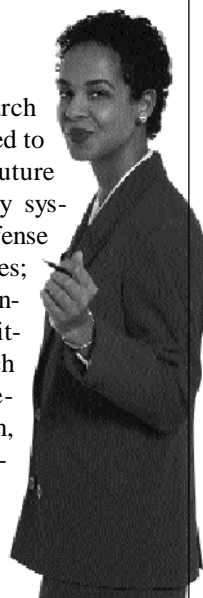
1-800-DOD-SBIR

Contact Regional Offices for additional region specific help (see page 4).

University Research Support (URS)

<http://www.dtic.mil/dtic/urs.html>

The DOD University Research Initiative (URI) program is designed to provide new knowledge for the future development of advanced military systems; improve the quality of defense research performed at universities; and promote the education of scientists and engineers in disciplines critical to future defense research through fellowships and traineeships. Through the URS program, DTIC provides access to its products and services to researchers eligible to participate in the DOD URI program.



**MATRIS® Service**

The Manpower and Training Research Information System (MATRIS) is an automated decision support system which: advances the coordination of people-related research efforts; provides detailed historical, present status, future direction, funding and fiscal data; produces standard and custom-tailored database output products; provides database access; and develops databases and/or publishes information on the Internet in response to customer requirements. The MATRIS database includes references to ongoing R&D, descriptions of Human Systems Integration tools and techniques, and Merit Systems Protection Board report summaries. Broad subject categories include manpower and personnel, training systems technology, biomedical, and human factors engineering and safety.

MATRIS Database

The MATRIS database contains records focusing on people-related research. Contributing organizations include: DOD, Federal Aviation Administration, Merit Systems Protection Board, NASA, NATO countries, and private industry. MATRIS technical information specialists will search the MATRIS database to produce a report on a requested topic or topics. The report can be generated in paper copy and/or electronic format.

*One-time report request \$25

**Bibliographies from DTIC's
Technical Reports Bibliographic
Database**

MATRIS technical information specialists will search DTIC's Technical Reports Bibliographic database to produce a report on the requested people-related topic or topics. The report can be generated in paper copy and/or electronic format.

Cost \$26

Directory of Researchers

<http://dticam.dtic.mil/resdir/index.html>

This Directory is a web-based document which lists individuals who perform and/or manage current people-related research and development studies and related efforts for the DOD as well as other non-DOD organizations. The Directory is organized by general focus of the research and contains phone numbers and laboratory addresses. The Directory is produced from research information stored in the MATRIS database.

**Directory of Design Support
Methods (DDSM)**

<http://dticam.dtic.mil/hsi/index.html>

The DDSM provides an annotated directory of human factors and training design support tools

and techniques that have been developed by DOD, other U.S. Government agencies and industry. It contains descriptions and points of contact for design tools, analytic techniques, databases, handbooks, and military standards. The information originates from the Human Systems Integration database maintained at the MATRIS Office.

**DOD Biomedical Research
Database**

<http://www.scitechweb.com/acau/brd/>

The DOD Biomedical Research Database was developed from biomedical research, testing and training programs which include, but are not limited to: infectious diseases, biological hazards, toxicology, medical chemical defense, medical biological defense, clinical medicine, clinical surgery, physical protection, training, graduate medical education and instruction. The database is updated annually at the beginning of the fiscal year.

Technology Transfer Database

<http://dticam.dtic.mil/t2/>

The Technology Transfer Database provides descriptive information on U.S. DOD current and recently completed research and development. The data is gathered from DTIC's Research Summaries database and is updated quarterly. The originating laboratories have indicated that these R&D efforts have a high technology transfer potential. Major technology areas include: math and computer sciences, electronics, mechanical design and engineering, materials and manufacturing, energy, environment, health sciences, training, human systems integration and safety.

Note: The products from the MATRIS database are available from the MATRIS office.

MATRIS® is a registered service mark of the Defense Technical Information Center.

SPECIALIZED INFORMATION CENTERS

Information Analysis Centers (IACs)

<http://iac.dtic.mil>

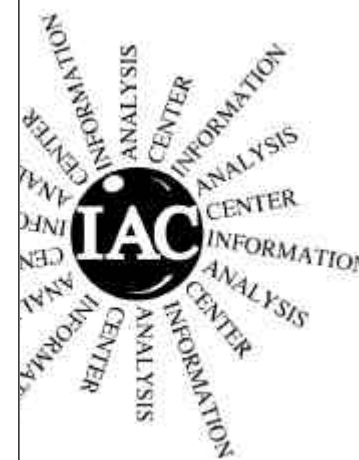
DOD IACs facilitate the utilization of scientific and technical information. Scientists, engineers and information specialists establish and maintain comprehensive knowledge bases which include historical, technical, scientific, and other data and information collected on a worldwide basis. Information collections include a wide range of unclassified, limited distribution, and classified information appropriate to the requirements of sponsoring technical communities. The IACs collect, maintain, and develop analytical tools and techniques including databases, models, and simulations. Their collections and products represent intensive evaluation and screening efforts to create authoritative sources of evaluated data. The computerized collections are expanded on a continuing basis to incorporate the most current international research information. DTIC establishes, funds, and manages the following centers for the Defense Department:

- Advanced Materials and Processes Technology Information Analysis Center (AMPTIAC)
<http://iac.dtic.mil/amptiac>
- Chemical Propulsion Information Agency (CPIA)
<http://www.cpia.jhu.edu/>
- Chemical Warfare/Chemical and Biological Defense Information Analysis Center (CBIAC)
<http://www.iac.dtic.mil/cbiac/>
- Data and Analysis Center for Software (DACS)
<http://iac.dtic.mil/dacs/>
- Human Systems Information Analysis Center (HSIAC, formerly CSERIAC)
<http://iac.dtic.mil/hsiac>
- Information Assurance Technology Analysis Center (IATAC)
<http://iatac.dtic.mil/iatac>
- Infrared Information Analysis Center (IRIA)
<http://csdnta.erim-int.com/iria/iriaweb.nsf>
- Manufacturing Technology Information Analysis Center (MTIAC)
<http://mtiac.iitri.org/>
- Modeling and Simulation Information Analysis Center (MSIAC)*
<http://www.msiac.dmsi.mil/>
- Nondestructive Testing Information Analysis Center (NTIAC)
<http://iac.dtic.mil/ntiac/>
- Reliability Analysis Center (RAC)
<http://rac.iitri.org/>
- Survivability/Vulnerability Information Analysis Center (SURVIAC)
<http://iac.dtic.mil/surviac>
- Weapon Systems Technology Information Analysis Center (WSTIAC)
<http://iac.dtic.mil/wstiac/>

The DTIC IAC Directory is a reference tool containing the complete listing of capabilities, products, and services offered by the IACs. Contact the IAC Program Manager's Office to request your copy or view and download it at the following addresses:

<http://iac.dtic.mil/>

For general information on the DOD IAC program or assistance in locating an IAC to serve your particular needs, contact DTIC's IAC Program Manager's Office at (703) 767-9120, DSN 427-9120.



* Funded by Defense Simulation and Modeling Office (DMSO)

SUPPORT SERVICES

TRAINING

DTIC provides free training to its registered users. Training is provided at DTIC or at the user's site. Training at user's site normally involves costs.

Internet Courses

<http://www.dtic.mil/dtic/dticb/dticbln/internet.trng.html>

Introduction to the Internet - A hands-on class which covers various email functions, retrieving files using FTP (file transfer protocol) and logging into remote computers using telnet. Features of the Netscape browser are reviewed. Emphasis is placed on retrieving information using DTIC's products and services on the Internet.

Length: 1 day

Searching the Internet - A hands-on class reviewing Internet directories, guides and search engines. Emphasis is placed on analyzing and comparing the differences of major search engines. DTIC's STINET products are discussed.

Length: 2 days

DOD and Government Internet Resources - A hands-on class which includes a review of basic methodologies of searching the Internet. Teaches trainees how to find and evaluate U.S. Government resources. Emphasis is placed on accessing information through DTIC products and services.

Length: 1 day

Searching DTIC's Databases

Online Searching for New Searchers is a one day hands-on class designed to assist users whose responsibilities have been upgraded to include searching DTIC and other DOD and Government electronic products.

Length: 1/2 day

Searching DTIC Databases class covers the content and methods of searching the Technical Reports and Research Summaries databases. The emphasis is on WED, but also includes instruction on TR Database on CD-ROM and STINET. Course work focuses on developing effective search techniques including online exercises that provide practical hands-on experience. Valuable tips on using the unique features of WED are covered, along with comparisons of TR on CD-ROM and STINET.

Length: 2 days

Basic Legacy DROLS class is conducted for users with the necessary clearances and equipment. It includes modules on searching in the Technical Reports Bibliographic and Research Summaries databases, using DROLS qualify and sort commands to refine both searches and output, online ordering, plus some administration and security controls. Coursework focuses on developing effective search techniques including online exercises which provide practical hands-on experience. Security requirements and procedures are also highlighted.

Length: 3 days

DOD STINFO Manager Training Course

<http://www.dtic.mil/dtic/stinfo/>

DOD STINFO Manager Training is designed to acquaint newly assigned STINFO managers with the requirements of the DOD Scientific and Technical Information Program (STIP). It is also of interest to all who play a role in the dissemination of scientific and technical information at the local level. Key topics in the 3-day STINFO class include: STINFO Manager duties; literature searching overview; technical publications program; overview of DTIC; domestic technology transfer; DOD STIP programs and offices; control and marking of classified and unclassified documents. Special classes tailored to the needs of particular student groups can be arranged.

Length: 3 days

Introduction to the DOD Scientific and Technical Information Program (STIP) is a new distance learning course offering. It is Internet based and free of charge. Course content includes STIP overview, STIP policies and regulations, protection of STI, and where to locate technical information with audio and video features, interactive exercises and much more. To access go to URL: <http://training.dtic.mil>. Use as an overview for anyone needing an introduction to the DOD STIP and as a preview and post-evaluation of the three day STINFO course.

SUPPORT SERVICES

HELP DESKS

Customer Service Help Desk

<http://www.dtic.mil/dtic/custservice.html>

Technical information specialists are available to provide one-on-one assistance to customers with specialized information needs, resolve problems, and answer questions pertaining to DTIC's products and services. If you need help or are unsure of whom to contact at DTIC, the DTIC Customer Service Help Desk specialists can help you.

Email: help@dtic.mil

Order Status Desk

<http://www.dtic.mil/dtic/inquiries.html>

DTIC provides information about documents and bibliography orders to users who have questions about their requests. To learn the status of an order, receive assistance with an ordering problem or to request special handling, contact the Reference and Retrieval Services Branch.

Email: msorders@dtic.mil

Search Strategy Help Desk

<http://www.dtic.mil/dtic/dticb/dticbln/consult.html>

The Network Services Branch instructors offer follow-up assistance and consultation on the use of DTIC online services and the formulation of effective search strategies. The staff will assist with any DTIC-provided online service.

Email: training@dtic.mil

Telecommunications Support Help Desk

<http://www.dtic.mil/dtic/techcontrol.html>

The Technical Control Facility (TCF), a branch of DTIC's Network and Systems Administration Division, is the core of DTIC's telecommunications network. The division provides planning, programming, procedures and operations necessary to meet DTIC's user requirements. One aspect of the overall mission of the TCF is to maintain the Telecommunications Support Help Desk. DTIC staff is available to assist users when access or communications difficulties are encountered within the Center's automated systems.

REFERENCE AND RETRIEVAL SERVICES

DTIC's reference and retrieval staff is available to assist users in identifying, locating and ordering DTIC documents. They also refer users to other sources of information and assistance.

To order a document:

Email: msorders@dtic.mil

or

rp-orders@dtic.mil

Fax: (703) 767-9070; DSN 427-9070

<http://www.dtic.mil/dtic/docorderform.html>

For assistance in identifying or locating a document, or for referrals to other sources:

Email: bibs@dtic.mil

Fax: (703) 767-9070; DSN 427-9070

DTIC reference and retrieval staff also perform online searches of DTIC's databases and produce bibliographies or management summary reports upon request. Users may contact DTIC at any of its locations and make an appointment to come in and work with a retrieval analyst while their search is being performed.

Commercial Database Searching

Downsizing and budget cuts continue to leave some organizations without access to a library and have forced other libraries to drop or sharply curtail accounts with database vendors. If this has happened to you, you can call DTIC for help.

DTIC's Reference and Retrieval Services Branch has an account with DIALOG, and can perform searches tailored to your needs in databases marketed by this vendor.

DIALOG provides access to over 450 bibliographic, full-text or raw data databases covering research and publishing in military research and contracts, physics, social sciences, medicine, news, literature, transportation, engineering, chemicals, business directories, analysis, intelligence, etc.

If you would like DTIC to do a commercial database search for you please call the Reference and Retrieval Services Branch at (703) 767-8274/DSN 427-8274.

Cost: Actual cost of database

vendor search plus

\$26

Note: Vendor charges vary.

REFERENCE PUBLICATIONS



GENERAL USER PUBLICATIONS

DTIC Contributors' Handbook

<http://www.dtic.mil/dtic/contribguide/>

This Handbook provides the guidelines for submitting documents and management information for inclusion in DTIC's collection.

No order number assigned Free

DTIC Handbook for Users

The DTIC Handbook for Users describes DTIC's products and services and provides step-by-step instructions for completing all basic DTIC transactions such as registering for general and network services, and ordering and submitting information to DTIC. It also includes examples of required forms, and several appendices containing commonly used abbreviations, telephone numbers, and DTIC prices.

No order number assigned Free

DTIC Notices of Changes in Classification, Distribution, and Availability

The quarterly Notices of Changes publication is available online through Secure STINET or can be ordered in paper or microfiche copy. This publication identifies all technical reports on which changes were made to classification, limitation or availability. This document is limited to U.S. Government agencies and their contractors.

Cost Free Online

Cost of paper copy or microfiche Varies*

** Dependent on the number of pages for each published edition.*

Note: Order Numbers change with each issue

Electronic Report Documentation Page (RDP)

The Electronic RDP is a template developed to assist in submitting technical reports in paper copy (SF 298) and nonprint (DTIC Form 530) to DTIC. The templates contain dialog boxes to aid in the input of the appropriate information. The SF 298 and DTIC Form 530 are available in MS Word for Windows 8.0.

SF 298

Cost: AD-M000175/CAA Free

DTIC Form 530

Cost: AD-M000451/CAA Free

REFERENCE PUBLICATIONS

ONLINE SEARCH TRAINING TOOLS

DTIC has developed training tools to assist potential, new or infrequent users of DTIC systems. These products are provided at no charge and we recommend using them prior to attending formal training DTIC.

DROLS: An Introduction to Searching

This 16-minute Defense RDT&E Online System (DROLS) training video is designed to instruct new and infrequent DROLS users in the basic operational skills needed to navigate the system. The video emphasizes the use of Boolean operators to build search strategies, DTIC's Thesaurus of controlled vocabulary, and the Inverted File browsing feature. Special search options such as truncation, hierarchy, and term weighting are also addressed.

AD-M000338/CAA (VHS) Free

Instructional Diskettes to Enhance DROLS Database Searching

These interactive computer-assisted instruction diskettes provide new and prospective DROLS users a general overview of DROLS. Instructional diskettes are available for two databases. The diskettes for each database provide a general overview of DROLS database searching and a basic understanding of how to access, search, display and order bibliographies, documents, and summaries.

AD-M000551/CAA, Free

Introduction to DROLS Database Searching

AD-M000552/CAA, Free

Introduction to Searching DTIC's Work Unit Information System Database.

DROLS Handbook

Provides basic instruction in the use of the DROLS, DTIC's online system that provides access to its major data collections. The Handbook explains the application of various commands and how they are used in the different databases to search, display, and order from DTIC.

First copy free to registered DROLS users.

AD-A267546/CAA \$12

DROLS Retrieval Reference Guide

Provides an overview of sign-on procedures, system comments, field identification codes, and

examples of search strategies and display formats for DTIC's databases.

First copy free to DROLS class attendees.

AD-A286844/CAA \$ 7

DROLS Workbook

The DROLS Workbook provides practical exercises to assist users in learning DROLS. It is intended to be used in conjunction with DTIC's DROLS Handbook. Basic and advanced search exercises with problem sets and answers are provided to assist the user in creating the best strategy for getting the desired results.

First copy free to DROLS class attendees.

AD-A259033/CAA \$ 7

Directory of Organizational Technical Report Acronym Codes (DOTRAC)

The Directory of Organizational Technical Report Acronym Codes (DOTRAC) provides a standardized technical report format for inputting information and makes both retrieval and document identification easier. It lists the acronyms that DOD, Federal Government, foreign military, and non-Government organizations have assigned to reports that have been processed into the DTIC collection.

AD-A281500/CAA \$15

Source Header List

<http://www.dtic.mil/corpsource/>

The Source Header List is a two-volume listing of source names and their codes used to search DTIC's databases.

AD-A348602/CAA (Volume 1) \$15

AD-A348603/CAA (Volume 2) \$15

Source Hierarchy List

The Source Hierarchy List is a three-volume listing of related organizations hierarchically and codes used to search DTIC's databases.

AD-A281100/CAA (Volume 1) \$15

AD-A281101/CAA (Volume 2) \$15

AD-A281102/CAA (Volume 3) \$15

REFERENCE PUBLICATIONS

DTIC Thesaurus

<http://stinet.dtic.mil/str/index.html>

The DTIC Thesaurus is a basic multidisciplinary subject term vocabulary used by DTIC to index and retrieve scientific and technical information from its various databases and to aid DTIC's users in retrieving information from DTIC's databases.

AD-A378274/CAA \$15

Subject Categorization Guide for Defense Science and Technology

<http://www.dtic.mil/dtic/subcatguide/>

The Subject Categorization Guide provides a basis for the assignment of subject fields and groups to scientific and technical reports. This reference tool is primarily used as a standardized mechanism for defining areas of need-to-know in the distribution of information about DOD-developed and DOD-supported technologies. The Guide covers 25 broad subject fields and 251 groups.

AD-A172650/CAA \$15

How To Get It: A Guide to Defense-Related Information Resources (Librarian's Edition)

<http://stinet.dtic.mil/htgi/htgi.html>

DTIC's How To Get It (HTGI) is a reference tool for finding publications, organizations, and other reference sources specifically related to Defense documents. There are more than 2,500 entries including web sites and email addresses when available. This issue also provides appendices for foreign resources, commonly used order forms, and topic specific links to DTIC subject categories. The HTGI format complies with the Government Information Locator Service (GILS) format.

AD-A346513/CAA (Paper Copy) \$12

Information Analysis Center Directory

<http://iac.dtic.mil>

http://iac.dtic.mil/framesets/about_2.htm

The Information Analysis Center (IAC) Directory is a reference tool that provides the program manager name, address, telephone number and subject coverage for each of the IACs.

No Order Number Assigned Free

DTIC Cataloging Guidelines

DTIC Cataloging Guidelines are based on the Committee on Scientific and Technical Information (COSATI) standards for descriptive cataloging of technical reports and the Commerce, Education, Energy, NASA, NLM, Defense, and Interior (National Biological Service) (CENDI) Cataloging Guidelines, which is also based on COSATI standards. The CENDI Cataloging Guidelines were developed to standardize descriptive cataloging entries among Federal agencies and to increase the efficiency of report processing operations throughout the Federal Government. DTIC's Cataloging Guidelines were developed to serve the same purpose within the DOD.

AD-A275100/CAA \$12



IN THE SPOTLIGHT...TECHNICAL REPORTS

This section highlights documents from DTIC's Technical Reports collection that provide a sampling of the subject area topics maintained in the collection. In addition to documents that DTIC disseminates in paper copy format, DTIC stores and disseminates videorecordings, computer diskettes, magnetic tapes, and CD-ROMs. Nonprint products are assigned an AD-M order number. Any accompanying material, such as a User's Guide, is enclosed with the nonprint product when you order it. The accompanying material may also be ordered separately.

TECH
REPORT

ASTRONOMY & ASTROPHYSICS

Title: Astrodynamic CAI Software. Version 3.0 (Computer Diskette)

Corporate Author: Air Force Academy, Colorado Springs, CO

Report Date: 1991

Abstract: A library of routines to solve various astrodynamic problems is presented. Rigorous documentation and coding discipline was used during the development of these routines. Disk 1 contains Pascal source code; disk 2 contains FORTRAN source code; and disk 3 contains a ground track program written using the libraries. Information on the current version of the software may be obtained from the author.

Order Number & Cost:

AD-M000073/CAA \$31

Title: Study of the Relationship Between Coronal Mass Ejections and Energetic Electrons in Interplanetary Space

Corporate Author: Phillips Laboratory, Hanscom AFB, MA

Report Date: Dec 96

Abstract: We consider time characteristics of energetic electron events in interplanetary space after solar flares associated with coronal mass ejections (CME). Analysis of electron intensity time profiles shows that independently of flare duration times to electron even maximum from flare onset and from electron event onset increase with increasing of CME velocity. Possible interpretation of this effect is electron acceleration by CME associated shock wave.

Order Number & Cost:

AD-A319277/CAA \$ 7

Title: Temporal Evolution of Fine-Structures in Sunspots

Corporate Author: Phillips Laboratory, Hanscom AFB, MA

Report Date: Jun 97

Abstract: Results from an analysis of a 4-1/2 hour series of high resolution white light observations of a medium size sunspot are presented.

Order Number & Cost:

AD-A326879/CAA \$ 7

ATMOSPHERIC SCIENCES

Title: Atmospheric Transmissivity Update - 1988

Corporate Author: Coast Guard, Office of Research & Development, Washington, DC

Report Date: Oct 88

Abstract: The Coast Guard uses atmospheric visibility data collected in 1958 and 1959 when calculating the effective luminous range of aids to navigation. Presently, Coast Guard aid designers question whether or not increases in population and industry have changed atmospheric visibility along our coasts. Recent atmospheric visibility data in the form of transmissivity curves are presented to answer this question. National Weather Service visibility records from the maritime zone form the basis for this study.

Order Number & Cost:

AD-A209130/CAA \$ 7

Title: Proceedings of the 19th Annual Conference on Atmospheric Transmission Models, 4-6 Jun 1996

Corporate Author: Phillips Laboratory, Hanscom AFB, MA

Report Date: 22 May 97

Abstract: This document contains the viewgraphs and other materials for the 57 papers presented at the subject conference held at the Geophysics Directorate, Phillips Laboratory (AFMC), Hanscom AFB, MA.

Order Number & Cost:

AD-A328230/CAA \$12



AVIATION TECHNOLOGY

Title: Enhancing Aircraft Survivability: A Vulnerability Perspective. Volume I

Corporate Author: National Defense Industrial Association, Arlington, VA

Report Date: 21 Oct 97

Abstract: These papers were presented at the NDIA Aircraft Survivability Symposium. Some of the topics include: Aircraft Vulnerability: A Survey of Combat and Peacetime Experience; A History of the Survivability Design of Military Aircraft; Airline Safety and Security: An International Perspective; Overview of Structural Damage Tolerance History and Trends; Enhancing Survivability - An Air Force Perspective; Aircraft Fire Safety; Alternative to Halon: A Status Report; Balancing Survivability Attributes: The Cost of Mission Success; and numerous other topics.

Order Number & Cost:

AD-A331602/CAA \$42

Title: Unmanned Aerial Vehicles - Promises and Potential

Corporate Author: Army War College, Carlisle Barracks, PA

Report Date: Apr 97

Abstract: This paper reviews the background of unmanned aerial vehicles (UAV), tracing UAV technology from its genesis through to the promising UAV systems in development today. It provides historical insight into the enabling technologies which make UAVs uniquely capable of a variety of missions beyond their traditional roles in aerial reconnaissance. Finally, the controversy over manned vs unmanned aircraft is raised to shake up the cultural inertia which seems to constrain UAV applications in the revolution in military affairs. Regardless of the winner of that debate, UAV systems are politically and fiscally relevant to our military today and in the uncertain future.

Order Number & Cost:

AD-A326936/CAA \$ 7

BEHAVIORAL & SOCIAL SCIENCES

Title: Basic Research Plan Final Report

Corporate Author: Office of the Director of Defense Research and Engineering, Washington, DC

Report Date: Nov 96

Abstract: The DOD Basic Research Program has long played a crucial role in the development of technology and in the education and training of scientific personnel required to support continuing technical advances critical to maintaining superior military capabilities. This Basic Research Plan (BRP) provides a strategy for maintaining a strong program that is flexible with respect to current budget priorities but also structured to effectively respond to requirements of the warfighter. The BRP complements two other DOD Science and Technology (S&T) planning documents: the Joint Warfighting Science and Technology Plan and the Defense Technology Area Plan. Together the three documents reflect a comprehensive strategic planning process designed to significantly enhance the quality of the overall S&T program.

Order Number & Cost:

AD-A323117/CAA \$12

Title: Defense Science and Technology Strategy

Corporate Author: Office of the Director of Defense Research and Engineering, Washington, DC

Report Date: Jan 97

Abstract: During the Cold War, the U.S. faced a single overarching threat that dominated every aspect of military force planning and strategic thinking. During this era we relied upon technologically superior systems to offset the Soviet Bloc's numerically larger forces. Today, this single overarching threat has been replaced by new dangers, such as the proliferation of weapons of mass destruction, regional conflict, and ethnic violence. Our strategy for managing these post-Cold War dangers to our security rests on three basic lines of defense. The first line of defense is to prevent threats from emerging; the second is to deter threats that do emerge; and the third, if prevention and deterrence fail, is to defeat the threat to our security by using military force. Executing this strategy requires us to maintain strong, ready military forces equipped with a well-integrated, flexible mix of the most advanced technologies. With today's smaller force structure, readiness and modernization become even more critical to our overall military capabilities.

Order Number & Cost:

AD-A323116/CAA \$ 7

IN THE SPOTLIGHT...TECHNICAL REPORTS

Title: Report of the Defense Science Board Acquisition Workforce Sub-Panel of the Defense Acquisition Reform Task Force on Defense Reform

Corporate Author: Office of the Under Secretary of Defense (Acquisition and Technology), Washington, DC

Report Date: Mar 98

Abstract: This report provides three policy recommendations, based on the overarching theme of more closely integrating DOD with industry. The Sub-Panel believes that improved integration with industry is the critical element that will enable the acquisition system to perform better, faster, and cheaper in support of the warfighter.

Order Number & Cost:

AD-A341250/CAA \$12

Title: The Defense Science Board 1997 Summer Study Task Force on DOD Responses to Transnational Threats; Volume 1 - Final Report

Corporate Author: Defense Science Board, Washington, DC

Report Date: Oct 97

Abstract: Transnational actors have three advantages: 1) they can have ready access to weapons of mass destruction; 2) we cannot easily deter them because they have no homeland; and 3) they respect no boundaries, whether political, organizational, legal or moral. Further, warning may be short and attribution may be slow or ambiguous. Since the U.S. is now the dominant military force in the world, potential adversaries will be driven to asymmetric strategies to meet their objectives. In the report, the Task Force suggests a multifaceted strategy for the DOD to address this increasingly important class of threats. This strategy involves the development of an end-to-end systems concept, investment in critical technology areas, and the leveraging of similarities between civil protection and force protection.

Order Number & Cost:

AD-A333273/CAA \$12

BIOLOGICAL & MEDICAL SCIENCES

Title: Leaders Guide to Crew Endurance

Corporate Author: Army Aeromedical Research Laboratory, Fort Rucker, AL

Report Date: Jul 96

Abstract: This Leader's Guide is about enabling soldiers to perform at their best by controlling

stress, fatigue, sleep deprivation, and problems resulting from jet lag and shift lag. It is also about controlling the hazards associated with these stressors when they cannot be completely eliminated. Crew endurance impacts everything soldiers do. In nearly every case, the stressor reduces the soldier's mental or physical performance. For aviators, this means a larger part of their mental resources must be committed to operating the aircraft, leaving less resources to fight the enemy. For the planner and maintainer, it means less resources available for dealing with the important details of their critical tasks.

Order Number & Cost:

AD-A314781/CAA \$ 7

Title: Toxicity Studies on Agenda GA (Phase 2): 90-Day Subchronic Study of GA (Tabun) in CD Rats. Appendices.

Corporate Author: National Center for Toxicological Research, Jefferson, AR

Report Date: Mar 92

Abstract: To provide essential toxicologic information on tabun administration over a 90 day period. This toxicologic information may be used to adjust the maximum-tolerated dose for subsequent dominant-lethal and two-generation reproduction studies. The objectives were to determine the toxic effects of nerve agent exposure (e.g., target organs); and to determine the effects of nerve agent GA on sperm morphology and motility and vaginal cytology.

Order Number & Cost:

AD-A257381/CAA \$12

BIOTECHNOLOGY

Title: Air Force 2025: America's Vigilant Edge (CD-ROM)

Corporate Author: Air University, Maxwell AFB, AL

Report Date: 1996

Abstract: The Chief of Staff of the Air Force, General Ronald R. Fogleman, tasked the Air University to look 30 years into the future to identify the concepts, capabilities, and technologies the U.S. will require to maintain the dominant air and space force in the 21st century. The 2025 Study is published on the CD-ROM as a collection of 'white papers' consisting of an executive summary, an alternative futures monograph, an

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operational analysis monograph, and 37 individual papers, totaling more than 3,300 pages of text.

Order Number & Cost:

AD-M000704/CAA \$31

Title: Defense Science and Technology Strategy and Plans (CD-ROM)

Corporate Author: Office of the Director of Defense Research and Engineering, Washington, DC

Report Date: Feb 98

Abstract: This CD-ROM contains complete versions of the following documents: (1) Defense Science and Technology Strategy (May 96); (2) Basic Research Plan (Jan 97); (3) Defense Technology Area Plan (Jan 97); (4) Joint Warfighting Science and Technology Plan (Feb 98); and (5) Defense Technology Objectives for the Joint Warfighting Science and Technology and Defense Technology Area Plan (Feb 98).

Order Number & Cost:

AD-M000808/CAA \$31

Title: FY 98 Human Systems Technology Area Plan

Corporate Author: Wright Laboratory, Wright-Patterson AFB, OH

Report Date: 1998

Abstract: The Armstrong Laboratory is the Air Force laboratory uniquely positioned to engage a diverse and multi-disciplined technological arsenal to address the warfighter's human systems deficiencies. The capability of bringing to bear the full weight of physical, biological, biomedical, and behavioral sciences along with human factors engineering is now needed more than ever in the post-Cold War era. Today, instead of facing a single massive threat, we are challenged with the potential for simultaneous multiple low intensity conflicts. Instead of a robust DOD budget, we are now faced with conducting both operations and acquisition in a fiscal climate that is highly resource constrained.

Order Number & Cost:

AD-A338012/CAA \$ 7

Title: NATO Advanced Research Workshop, 19-22 May 97: Rapid Method for Monitoring the Environment for Biological Hazards

Corporate Author: North Atlantic Treaty Organization (NATO), Brussels, Belgium

Report Date: 22 May 97

Abstract: The NATO Advanced Research Workshop met for the purpose of bringing to light rapid methods for monitoring the environment for biological hazards such as biological warfare agents, naturally occurring diseases, detection and identification of different biological threats in the environment, dormancy in non-sporulating bacteria and bioluminescence techniques with respect to the rapid detection of microbes in air, water and food.

Order Number & Cost:

AD-A327732/CAA \$ 7

CHEMISTRY

Title: Historical and Experimental Studies of Alkali and Trinitrotoluene Reaction

Corporate Author: Naval Weapons Support Center, Weapons Quality Engineering Center, Crane, IN

Report Date: Apr 75

Abstract: Reaction of aromatic nitro compounds with alkali is reviewed in the literature as far back as 1886. Studies of the reaction of trinitrotoluene and aqueous alkali were conducted in the laboratory. Various analytical techniques such as infrared spectrophotometry, UV-visible spectrophotometry, liquid chromatography, thin layer chromatography and atomic absorption spectrophotometry were used in the structure investigations. Direct structural identification of the reaction products with the methods employed was not possible; however, enough evidence was available to allow the proposal of a possible structure for the material formed in the reaction.

Order Number & Cost:

AD-A019055/CAA \$12

Title: Multinuclear NMR of Ionomers and Polymer Blends

Corporate Author: Air Force Research Laboratory, Bolling AFB, DC

Report Date: 1995

Abstract: Many factors are known to affect the morphology and properties of ionomers, and the role that the local cation environment plays is not well understood. To better understand ionomer morphology, the cation environment in sulfonated and carboxylated ionomers was investigated using ²³Na NMR. As many as three environ-

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ments were seen in polydisperse sulfonated polystyrene (NaSPS): Isolated sodium ions at 7 PPM, hydrated ions at 0 PPM, and aggregated ions at -12 to -23 PPM. In monodisperse NaSPS, a fourth peak at -2.7 PPM appeared at ionization levels above 1.2% and molecular weights of at least 35,000.

Order Number & Cost:

AD-A334933/CAA \$12

Title: The Initial Velocities of Fragments from Bombs, Shell Grenades

Corporate Author: Army Ballistic Research Lab, Aberdeen Proving Ground, MD

Report Date: Sep 43

Abstract: To assess the efficiency of a projectile, it is often required to predict the initial velocities of the fragments from a knowledge of the dimensions of the metal casing and the character and quantity of explosive. Between a grenade containing 1-1/2 ounces of H.E. and a bomb containing 3000 pounds of H.E., the difference in scale is so great that it is a question whether any simple scheme will apply over the whole range. A theory is put forward, making the following assumption, that the contribution to the total kinetic energy made by the detonation of unit mass of explosive is independent of the size of the projectile. In a large bomb, the explosion gases have actually more kinetic energy than the fragments. A simple expression is found for the average initial velocity in terms of the charge-weight ratio: $c/m = 0.06$ to $c/m = 5.6$.

Order Number & Cost:

AD-A289704/CAA \$ 7

COMMUNICATIONS

Title: Taming the Information Firehose - Command and Control for 2000 and Beyond

Corporate Author: Naval War College, Newport, RI

Report Date: 7 Feb 97

Abstract: Information requirements have grown drastically in conjunction with the increased complexity of today's battlefield in terms of time, space, and force diversity. We are now on the verge of significantly lifting the 'fog of war,' giving commanders and staffs at all echelons a clearer and greatly expanded view of the battlefield. As real-time high resolution imagery and live

video, weather overlays, enemy templates, situation assessments, spot reports, friendly location and status, and a host of other information is pushed out to the field in ever increasing quantity and speed, our technological successes threaten to overwhelm commanders with 'too much of a good thing.' The purpose of this paper is to discuss the information management issues that must be addressed to support the C2 process for maximizing decision quality, communication, and execution, and minimizing the commander's decision cycle.

Order Number & Cost:

AD-A325829/CAA \$ 7

Title: Telemetry Standards

Corporate Author: Range Commanders Council, Telemetry Group, White Sands Missile Range, NM

Report Date: May 96

Abstract: This document was prepared to foster the compatibility of telemetry transmitting, receiving, and signal processing equipment at ranges under the cognizance of the Range Commanders' Council.

Order Number & Cost:

AD-A314282/CAA \$12

Title: U.S. C4I and Logistics Vulnerabilities to Offensive Information Warfare

Corporate Author: Naval War College, Newport, RI

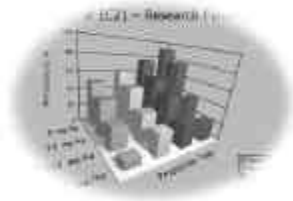
Report Date: 13 Jun 97

Abstract: The information revolution fostered by the microchip has made it possible for military commanders to receive information in unequalled quantity and quality. U.S. commanders have a broad range of opportunities resulting from digitized technologies that enhance military equipment performance and the application of force. As U.S. forces become increasingly dependent on information to leverage battlespace awareness, the need to protect information systems will increase. Backup capability must be designed into the information infrastructure to preclude erosion of force application.

Order Number & Cost:

AD-A328226/CAA \$ 7

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EARTH SCIENCES & OCEANOGRAPHY

Title: A Method for Calculating Exact Geodetic Latitude and Altitude. Revision.

Corporate Author: Naval Surface Warfare Center, Silver Spring, MD

Report Date: Mar 93

Abstract: This report derives a new and improved technique for computing the geodetic latitude and altitude of an arbitrary point in space assuming the earth is an ellipsoid of revolution. This method theoretically computes the exact values of the geodetic latitude and altitude. All the programs currently in use utilize approximation techniques for computing the quantities mentioned above. The method is simple and efficient and is strongly recommended for implementation.

Order Number & Cost:

AD-A265783/CAA \$ 7

Title: MADTRAN (Mapping Datum Transformation) (Computer Diskette)

Corporate Author: Defense Mapping Agency, Fairfax, VA

Report Date: Sep 91

Abstract: MADTRAN is a software program for datum transformation and coordinate conversions. This program allows for input from geodetic, universal transverse mercator or the military grid reference system coordinates. Over 100 datums are available for transformation to or from DOD's world geodetic system 1984.

Order Number & Cost:

AD-M000365/CAA \$21

Title: River Ice Data Instrumentation

Corporate Author: Cold Regions Research and Engineering Laboratory, Hanover, NH

Report Date: Jun 97

Abstract: Ice processes are capable of causing damage to the Corps of Engineers' flood control, water control, and navigation projects each year. Monitoring of ice and other physical parameters is done by instrumentation in some instances but is usually done manually.

Order Number & Cost:

AD-A327882/CAA \$ 7

ELECTROTECHNOLOGY AND FLUIDICS

Title: Industrial Assessment of the Microwave Power Tube Industry

Corporate Author: Department of Defense, Washington, DC

Report Date: Apr 97

Abstract: The end of the Cold War has brought significant change to the Defense industry. Reductions in the Defense budget have sharply curtailed Defense industry sales. Most Defense suppliers have responded in predictable ways. They have reduced excess capacity, streamlined processes, and revamped supplier relationships. The sum total of these actions leads to increased efficiencies and reduced defense product costs, and better value for the taxpayers.

Order Number & Cost:

AD-A323772/CAA \$ 7

Title: Investigation of Modular Antenna Array Configuration and a Feeding Technique for Brick Architecture

Corporate Author: Defence Research Establishment, Ottawa (Ontario)

Report Date: Sep 97

Abstract: The satellite communications industry, following the trends seen in personal communications systems, is pursuing the development of smaller and more capable communication terminals. Several antenna technologies and architectures have been studied for a fixed-beam portable communications terminal operating at high frequencies, e.g., 20 ghz (receive) and 30 ghz (transmit), and capable of providing multiple data links (data, voice, video). However, additional work is required to develop a modular "brick" type of architecture for this application. This report investigates two aspects of the problem: A modular antenna array configuration, and a suitable feeding scheme involving perpendicular interconnection that is essential to the design of the brick architecture.

Order Number & Cost:

AD-A333218/CAA \$12

GUIDED MISSILE TECHNOLOGY

Title: Battleship Dominance in the First Days of the Next War: Cruise Missiles or Bombers?

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Corporate Author: Army Command and General Staff College, School of Advanced Military Studies, Fort Leavenworth, KS

Report Date: 20 Dec 96

Abstract: This monograph compares sea-launched cruise missiles to heavy bomber-delivered munitions performing the battlespace dominance mission in the first five days of a major regional contingency. Battlespace dominance is a Navy doctrinal term. The paper uses the projected year 2006 cruise missile and bomber force structure, each attacking the same hypothetical target list.

Order Number & Cost:

AD-A325060/CAA \$ 7

MATERIALS

Title: Carbon-Carbon Composites (CCC) - A Historical Perspective

Corporate Author: Dayton University Research Institute, Dayton, OH

Report Date: Sep 96

Abstract: Carbon-Carbon Composite (CCC) materials are typically composed of a fibrous carbon reinforcement, a carbonaceous or graphitic matrix, and sometimes other fillers or coatings to impart specialized properties. CCC materials have an outstanding balance of properties which have led to many important uses in the aerospace, defense, braking, industrial and other fields. This report provides a historical perspective of CCC materials, including: a) the most important developmental events, b) the present technology base, and c) present and future uses. The international materials community has assisted in compiling over 1,400 historical events. Many of the events are listed in the report.

Order Number & Cost:

AD-A325314/CAA \$42

Title: Kinetic Theory of Field Evaporation of Metals

Corporate Author: Dalhousie University, Department of Physics, Halifax (Nova Scotia)

Report Date: 25 May 90

Abstract: Starting from adiabatic energy curves, calculated as a function of electric field strength, a perturbational method to construct diabatic states which form the basis to compute the temperature dependent ionization probabilities for field evaporation of metals was developed.

Employing a master equation, they could calculate the energy dependent ion yield as a function of field strength and temperature, and extract the field dependence of the activation barrier and the prefactor. As a function of field strength, the activation barrier for field evaporation decreases monotonically for tungsten, whereas the prefactor increases up to a field strength of 4.5v/a for tungsten due to an increase in the ionization probability and then decreases due to changes in the surface potential.

Order Number & Cost:

AD-A223456/CAA \$ 7

MATHEMATICAL AND COMPUTER SCIENCES

Title: Information Security Program

Corporate Author: Assistant Secretary of Defense (Command, Control, Communications, and Intelligence), Washington, DC

Report Date: Jan 97

Abstract: This Regulation is issued under the authority of DOD Directive 5200.1, 'DOD Automation Security Program,' 13 Dec 96. It prescribes procedures for implementation of Executive Order 12958, 'Classified National Security Information,' 20 Apr 95, within the DOD.

Order Number & Cost:

AD-A325699/CAA \$12

Title: Practical Software Measurement: Measuring for Process Management and Improvement

Corporate Author: Carnegie-Mellon University, Software Engineering Institute, Pittsburgh, PA

Report Date: Apr 97

Abstract: This guidebook shows how well-established principles and methods for evaluating and controlling process performance can be applied in software settings to help achieve an organization's business and technical goals. Although the concepts that are illustrated are often applicable to individual projects, the primary focus is on the enduring issues that enable organizations to improve not just today's performance, but the long-term success and profitability of their business and technical endeavors.

Order Number & Cost:

AD-A325551/CAA \$12

TECH
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Abstract: This document is intended to provide technical specifications for the design, documentation, and test of all new and modified airborne flight termination

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Title: Millennium Time Bomb Conference (Videorecording)

Corporate Author: Assistant Secretary of Defense (Command, Control, Communications & Intelligence), Washington, DC

Report Date: May 96

Abstract: This three volume set of videotapes provides six hours of unedited presentations that were given at the one-day conference on the Year 2000 Computer Data Processing problem. The purpose of the conference was to raise the level of awareness of the Year 2000 problem as well as to discuss possible solutions.

Order Number & Cost:

AD-M000597/CAA \$45

Title: Technical Publications Library (TPL) Program/Automatic Distribution Requirements Listing (ADRL) System, Version 6.40 (Computer Diskette)

Corporate Author: Naval Air Technical Services Facility, Philadelphia, PA

Report Date: Mar 93

Abstract: The TPL/ADRL software program is an automatic distribution requirements listing for Naval Air Technical Services publications. The user completes a requirements listing using the TPL disk to request automatic distribution of specific technical publications. The user then returns the disk, which serves as an electronic order, to the Naval Air Technical Services Facility in Philadelphia, PA.

Order Number & Cost:

AD-M000264/CAA \$21

Title: Interactive Multimedia Distance Learning (IMDL)

Personal Authors: Christinaz, Daniel U.; Walsh, William J.; Filipski, Gary; Escobar, Susan

Corporate Author: MEI Technology Corporation, San Antonio, TX

Report Date: Jan 1999

Abstract: As a result of shrinking training budgets, the Air Force is looking for ways to stretch its training dollars. One avenue of investigation has been to evaluate emerging computer and network technologies to determine if training can be delivered at a distance more efficiently than traditional classroom training. This effort focused on developing and demonstrating a PC-Based

Distance Learning System that was fully interactive and multimedia capable. Bandwidth between the instructor and distance class was provided by a dedicated T-1 LANDLINE. The class was comprised of 12 student workstations with individual cameras networked together. The network provided two-way video, audio and data as well as a link into the Internet. The instructor's image or presentation materials could be delivered to large screen monitors/speakers at the front of the class or to the student's individual computer screens. The demonstration phase consisted of delivering an Air Force Counseling Course which is required training for Air Education and Training Command (AETC) Instructors. This was taught successfully in terms of students' performance on the final exam; however, some issues were identified that need to be addressed if such a system were to be deployed.

Order Number & Cost:

ADA360086/CAA \$12

MECHANICAL, INDUSTRIAL, CIVIL AND MARINE ENGINEERING

Title: Development of Conceptual Designs for an Improved M41 Type Space Heater

Corporate Author: Little (Arthur D.), Inc., Cambridge MA

Report Date: Nov 84

Abstract: This report describes an effort to develop conceptual designs for a new, improved M41 type space heater. The design features of the current M41 were evaluated and ranked in order of importance. Literature searches and laboratory tests were conducted regarding the M41 to develop a better understanding of the operation of the M41 heater. Finally, several design concepts were developed based on the results of the literature searches and laboratory tests. It is concluded that a program to develop a new, improved M41 heater, utilizing the search and test results, has a high probability of success.

Order Number & Cost:

AD-A167984/CAA \$ 7

Title: Issues in Deferred Maintenance

Corporate Author: Army Engineer Institute for Water Resources, Fort Belvoir, VA

Report Date: Nov 94



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Abstract: This report presents the findings from an examination of public agency practices (federal, state, and local) in analyzing and reporting deferred maintenance on their facilities, such as roads, bridges, buildings, water or sewer systems, etc. The study revealed a highly limited amount of either literature or actual ongoing efforts by public agencies directly addressed to the analysis and reporting of deferred maintenance. A consensus appears to exist that "deferred maintenance" should be defined to mean that maintenance and repair is needed to bring current assets up to at least a minimum-acceptable physical condition level.

Order Number & Cost:

AD-A296374/CAA \$12

MILITARY SCIENCES

Title: A Commander's Quick Reference Manual for Legal Issues

Corporate Author: Naval Justice School, Newport, RI

Report Date: Apr 98

Abstract: Alcohol abuse is inconsistent with Navy initiatives to promote personnel excellence among members. Alcohol abuse should not be promoted by the chain of command. Alcohol abuse information should be provided by a trained DAPA during indoctrination of newly reporting personnel. All alcohol/drug-related cases brought to the attention of the command must be screened and forwarded to the appropriate command designee for evaluation and determination of treatment.

Order Number & Cost:

AD-A344439/CAA \$12

Title: Data on Historical Battles 1937-1982 (Benchmarks) (Computer Diskette)

Corporate Author: Army Concepts Analysis Agency, Bethesda, MD

Report Date: Jul 88

Abstract: The file contains data about the forces on both sides in 257 battles between 1937 and 1982. It contains battles from Eastern Europe, Western Europe, and the Pacific during World War II, the Korean War, and the campaigns of 1948, 1956, 1967, 1973 and 1982 of the Arab-

Israeli War. Data includes weapons, tactics, casualties, and outcomes. The data was extracted from archives and publications by Col. Trevor N. Dupuy, the well known military historian, for use in evaluating the realism of wargames and computer simulations of combat.

Order Number & Cost:

AD-M000092/CAA \$21

Title: Master Base Address (Stock Record Account Number) (Magnetic Tape)

Corporate Author: Materiel Systems Center, Wright-Patterson AFB, OH

Report Date: 18 Mar 97

Abstract: This is a file of names, addresses, etc., of registered users by Stock Record Account Number of Stock Number User Directory to obtain stock number information from the Master Item Identification System.

Order Number & Cost:

AD-M000727/CAA \$41

Title: The Ardennes Campaign Simulation Database (ACSDB) (Computer Diskette)

Corporate Author: Data Memory Systems, Inc., Fairfax, VA

Report Date: 7 Feb 90

Abstract: The ACSDB is a computerized database of the World War II campaign popularly known as the Battle of the Bulge. The ACSDB uses the Dbase IV management software. The data consists of daily information on unit location, activities, order of battle, personnel, equipment, and logistics at the Army-, Corps-, Division-, and Brigade-level for the period 16 Dec 44 through 16 Jan 45, plus data on tactical air operations, T/OE of units, and equipment used by opposing forces in the Ardennes campaign.

Order Number & Cost:

AD-M000074/CAA \$161

Title: The DTIC Review. Terrorism, Peacekeeping, and Operations Other Than War. Volume 3, Number 1

Corporate Author: Defense Technical Information Center, Fort Belvoir, VA

Report Date: Mar 97

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Abstract: The selected documents and bibliography contained in this report are a representation of the information available on terrorism and peacekeeping from DTIC's collection. Stability of many regions around the world is in question and requires U.S. intervention in time of crisis. As the world's accepted preeminent power, American military strength and leadership are essential around the globe. Dangers and emerging threats are here at home as well as in the rest of the world. The Clinton Administration recognizes new and old security challenges facing America in this new international context.

Order Number & Cost:

AD-A321889/CAA \$25

Title: Mind the Gap: Promoting a Transatlantic Revolution in Military Affairs.

Corporate Author: National Defense Univ Washington DC

Report Date: March 1999

Abstract: When American defense officials meet informally with their allies and friends from other North Atlantic Treaty Organization countries, the conversation often turns to the growing disparity in combat capability between European and U.S. Forces. The problem is bemoaned, but the participants are not stirred to action. This is unfortunate. We need a cross-Atlantic debate that seeks feasible solutions to this problem. Mind the Gap responds directly to that need. It not only dissects the problem of a growing disparity but also rejects its inevitability. Instead, it lays out a multitiered strategy for its solution which is specific and practical, including processes and procedures for implementation. The proposed strategy is complicated and would be difficult to execute; it would raise questions and even objections. That is as it should be. The alliance, nevertheless, has solved larger, more complex problems. We urgently need to find a way to close the Gap because the problem is getting worse. The United States continues to implement its vision of a globally mobile military force equipped with the latest technology. The European members of NATO are not investing in similar capabilities. As a result, the gap will widen and be increasingly difficult to close.

Order Number & Cost:

AD-A367754/CAA \$ 7

NAVIGATION, DETECTION AND COUNTERMEASURES

Title: Automatic Target Detection and Recognition: A Wavelet-Based Approach

Corporate Author: Northeastern University, Boston, MA

Report Date: 25 Jan 97

Abstract: Wavelet-based target detection and identification algorithms for radar applications are presented and tested and evaluated on computer simulated data. The algorithms make use of a scale sequential and/or scale recursive paradigm where computations are performed within and across scales in a multiresolution analysis of the sensor data relative to a compactly supported discrete orthonormal wavelet basis. The report includes a full discussion of the theory behind the various detection and identification algorithms plus results from Monte Carlo simulations.

Order Number & Cost:

AD-A329696/CAA \$ 7

Title: Multidisciplinary Research on Advanced, High-Speed, Adaptive Signal Processing for Radar Sensors

Corporate Author: University of Southern California, Department of Electrical Engineering, Los Angeles, CA

Report Date: Apr 97

Abstract: This report addresses two major components of research for high-speed, space-time adaptive processing for radar sensors, namely (1) the development of advanced algorithms for detection and parameter estimation of weak targets in the presence of jamming and clutter, and (2) the mapping of the algorithms onto massively parallel computing architectures for high speed implementation.

Order Number & Cost:

AD-A326298/CAA \$12

NUCLEAR SCIENCE AND TECHNOLOGY

Title: Cosmic Ray Effects on Microelectronics

Corporate Author: Naval Research Laboratory, Washington, DC

Report Date: 31 Dec 86

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Abstract: Single Event Upset (SEU) vulnerability must be considered in the design of all modern digital electronic systems for use in space. This has resulted in a need to accurately estimate the SEU rate for each type of digital microelectronic component used in the electronic system of any spacecraft on any orbit. This report presents a method of making such estimates. This method considers the effects of device parameters, material shielding, orbital parameters, interplanetary weather conditions and solar activity.

Order Number & Cost:

AD-A176611/CAA \$12

Title: Investigation of Radiation Effects in Microelectronics

Corporate Author: Arizona University, Department of Electrical and Computer Engineering, Tucson, AZ

Report Date: Jun 96

Abstract: Electronic components implemented in space borne and military applications are often required to operate in a hostile radiation environment, and are therefore subject to the degradation and failure mechanisms associated with such environments. This report discusses and provides experiment details and modeling and simulation results of radiation effects research. A major goal of this work is to advance the technical base with new physical insights in radiation effects in microelectronics.

Order Number & Cost:

AD-A310337/CAA \$12

ORDNANCE

Title: LLNL Explosives Handbook. Properties of Chemical Explosives and Explosive Simulants

Corporate Author: Lawrence Livermore National Laboratory, CA

Report Date: 31 Jan 85

Abstract: This handbook presents information and data for high explosives of interest to programs at the Lawrence Livermore National Laboratory and other Department of Energy facilities. It is intended to be useful to the scientist or engineer, the novice or expert, who needs to develop a new weapon system, design a physics experiment, or select and/or evaluate an existing explosive. Research explosives are excluded

since most such compositions are insufficiently characterized.

Order Number & Cost:

AD-A272275/CAA \$42

Title: UXO Technology Demonstration Program at Jefferson Proving Ground, Phase III

Corporate Author: Army Environmental Center, Environmental Technology Division, Aberdeen Proving Ground, MD

Report Date: Apr 97

Abstract: The third in a series of unexploded ordnance (UXO) technology demonstrations at Jefferson Proving Ground, Madison, IN was conducted Sep through Nov 96. An existing controlled site was modified to incorporate graphically defined UXO scenarios, including an aerial gunnery range, artillery and mortar range, grenade and submunition range and an interrogation and burial area. The performance of 15 companies in detecting, localizing, characterizing or excavating UXO on these sites is documented in this report. A strong technology initiative is recommended to address needed improvements in the capability to distinguish ordnance and non-ordnance.

Order Number & Cost:

AD-A324987/CAA \$12

PHYSICS

Title: Commissioning Tests of the Medium Caliber Railgun Launcher

Corporate Author: Texas University at Austin Institute for Advanced Technology, Austin, TX

Report Date: Mar 96

Abstract: Based on tests conducted, this report details the initial performance of the medium caliber launcher and gives performance data for a simple 'C' shaped solid armature. The firing data consists of a six-shot sequence devised to proof-test the capacitor power supply, characterize the gun performance, and establish an armature behavior baseline set in terms of two critical issues: rail gouging and contract transition. Briefly, the power supply performed flawlessly, the railgun functioned well, but with a slightly lower than expected inductance gradient. The complete laboratory system of railgun, diagnostics, data acquisition, and pulsed power form a

baseline set in two critical gouging and transition. power supplied flawlessly. gun functioned well but with a lower than expected inductance. The complete system of railgun, diagnostics, data acquisition, and pulsed power form a behavior baseline set in two critical gouging and transition. power supplied flawlessly. gun functioned well but with a lower than expected inductance. The complete system of railgun, diagnostics, data acquisition, and pulsed power form a

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good test arena for the study of solid armature behavior.

Order Number & Cost:

AD-A310653/CAA \$ 7

Title: Integrated Refractive Effects Prediction System (IREPS). Revision PC-2.0 (Computer Diskette)

Corporate Author: Naval Ocean Systems Center, San Diego, CA

Report Date: Aug 90

Abstract: The purpose of this manual is to introduce the contents and operation of the Integrated Refractive Effects Prediction System, PC Version 2.0 (IREPS PC-2.0). IREPS is a system designed to assess the electromagnetic propagation effects of the lower atmosphere on radar, electronic warfare, communication, and weapon guidance systems. The IREPS models account for effects from optical interference, diffraction, tropospheric scatter, refraction, and evaporation and surface-based ducting under horizontally monogeneous atmospheric conditions.

Order Number and Cost:

AD-M000028/CAA \$21

Title: Numerical Algorithms in a Lagrangian Hydrocode

Corporate Author: Alliant Techsystems, Inc., Hopkins, MN

Report Date: Jun 97

Abstract: This report documents the numerical algorithms used in an explicit lagrangian finite element hydrocode. One, two, and three dimensional implementations of the numerical solution of the conservation equations are covered. Triangular and tetrahedral continuum elements and shell elements are described. This report provides a comprehensive presentation of the numerical techniques used in a current production hydrocode.

Order Number & Cost:

AD-A327659/CAA \$12

POWER PRODUCTION AND ENERGY CONVERSION (NONPROPULSIVE)

Title: Fuel Cells for Military Applications

Corporate Author: Construction Engineering Research Laboratory (Army), Champaign, IL

Report Date: Aug 97

Abstract: In Fiscal Years 93 and 94, the U.S. Congress appropriated funds to advance the use of phosphoric acid fuel cells (PAFC) at DOD installations. The U.S. Army Construction Engineering Research Laboratory was tasked with managing the Fuel Cell Demonstration Program, including developing turnkey PAFC packages, devising site selection criteria, screening DOD candidate installation sites against the site selection criteria to identify specific sites where the PAFCs were to be installed and monitoring the installation process and subsequent system performance.

Order Number & Cost:

AD-A330941/CAA \$ 7

Title: Power System Assessment for the Burnt Mountain Seismic Observatory

Corporate Author: Wright Laboratory, Wright-Patterson AFB, OH

Report Date: Mar 94

Abstract: A team of scientists and engineers of the U.S. Air Force's Wright Laboratory conducted a study of electrical power technologies for use by the Air Force in operating a seismic observatory on Burnt Mountain in the Alaskan interior. This assessment evaluated a number of proven candidate power generation technologies.

Order Number & Cost:

AD-A283905/CAA \$12

PROPULSION, ENGINES AND FUELS

Title: Properties of JP-8 Jet Fuel

Corporate Author: Air Force Wright Aeronautical Laboratories, Wright-Patterson AFB, OH

Report Date: May 88

Abstract: This report provides a summary of 80 JP-8 jet fuels produced over the time period of Aug 84 to Apr 88. The data were obtained from the test reports provided by the fuel supplier or receiving terminal. Averages, standard deviations, minimum and maximum values of the various data have been determined and are reported.

Order Number & Cost:

AD-A197270/CAA \$ 7

Title: Twenty First Century Propulsion Concept

Corporate Author: Veritay Technology, Inc., East Amherst, NY

IN THE SPOTLIGHT...TECHNICAL REPORTS

Report Date: May 91

Abstract: This contract explored the Biefeld-Brown Effect which allegedly converts electrostatic energy directly in a propulsive force in a vacuum environment. The program emphasized the experimental exploration of this electrostatic thrust-generation concept to confirm or deny its existence, to verify its operation under high vacuum conditions, and to establish an experimental database via tests with candidate devices to permit the nature and magnitude of its thrust to be determined. Direct experimental results indicate that no detectable propulsive force was electrostatically induced by applying a static potential difference up to 19 kv between the electrodes of test devices under conditions in which electrical breakdowns did not occur.

Order Number & Cost:

AD-A237853/CAA \$12

SPACE TECHNOLOGY

Title: The Roswell Report: Case Closed

Corporate Author: Department of the Air Force, Washington, DC

Report Date: 1997

Abstract: In Jul 94, the Office of the Secretary of the Air Force concluded an exhaustive search for records in response to a General Accounting Office (GAO) inquiry of an event popularly known as the "Roswell Incident." The focus of the GAO probe, initiated at the request of New Mexico Congressman Steven Schiff, was to determine if the U.S. Air Force, or any other U.S. Government agency, possessed information on the alleged crash and recovery of an extraterrestrial vehicle and its alien occupants near Roswell, NM in Jul 47. Reports of flying saucers and alien bodies allegedly sighted in the Roswell area in 1947, have been the subject of intense domestic and international media attention. The Jul 94 Air Force report concluded that the predecessor to the U.S. Air Force, the U.S. Army Air Forces, did indeed recover material near Roswell in Jul 47. This report methodically explains that what was recovered by the Army Air Forces was not the remnants of an extraterrestrial spacecraft and its alien crew, but debris from an Army Air Forces balloon-borne research project code named MoGUL. Records located describing research carried out under the MoGUL project, most of which were never classified (and publicly avail-

able) were collected, provided to GAO, and published in one volume for ease of access for the general public. This publication contains the complete report as submitted to the Secretary of the Air Force.

Order Number & Cost:

AD-A326147/CAA \$12

Title: The Roswell Report: Fact Versus Fiction in the New Mexico Desert

Corporate Author: Department of the Air Force, Washington, DC

Report Date: 1995

Abstract: This report represents an effort to address the request made by Rep. Steven Schiff (R-NM) for information regarding an alleged crash of an unidentified flying object that occurred in New Mexico in 47. This publication duplicates the information provided to the Secretary of the Air Force and to the General Accounting Office (GAO). It was written as a result of Colonel Weaver's and Lieutenant McAndrew's efforts to locate the records that explain the events of Jul 47 leading to what is popularly known as the Roswell Incident. The ONLY information presented here that was not in the report delivered to the Secretary of the Air Force and the GAO is the photograph section.

Order Number & Cost:

AD-A326148/CAA \$42

TEST EQUIPMENT, RESEARCH FACILITIES AND REPROGRAPHY

Title: Defense Acquisition

Corporate Author: Office of the Under Secretary of Defense (Acquisition and Technology), Washington, DC (Computer Diskette)

Report Date: Mar 96

Abstract: This directive states policies and principles for all DOD acquisition programs and identifies the Department's key acquisition officials and forums.

Order Number & Cost:

AD-M000591/CAA \$21

Title: National Air and Space (Warfare) Model (NASM) ACAT Level III/IV

Corporate Author: Deputy Chief of Staff, Air and Space Operations (Air Force), Plans Division, Arlington, VA

TECH REPORT

Report Date: 21 May 96

Abstract: This operational requirement supports the mission need identified in Air Force Mission Needs Statement USAF 009-93. The Statement analyzed deficiencies associated with the current Air Force Air Warfare Simulation used for battlestaff training and determined that a new system was required to correct these deficiencies and to interface with the next generation of DOD models being developed as a part of the Joint Simulation System.

Order Number & Cost:

AD-A334502/CAA \$ 7

Title: NSWC Library of Mathematics Subroutines (Computer Diskette)

Corporate Author: Naval Surface Warfare Center, Dahlgren, VA

Report Date: Jan 93

Abstract: The NSWC Library is a library of general purpose FORTRAN subroutines that provide a basic computational capability for a variety of mathematical activities. Emphasis has been placed on the transportability of the codes. Subroutines are available in the following areas: elementary operations, geometry, polynomials, vectors, matrices, and others.

Order Number & Cost:

AD-M000377/CAA \$21

Title: Parallel Binary and Parallel Coded Decimal Time Code Formats

Corporate Author: Range Commanders Council, Inter-Range Instrumentation Group, White Sands Missile Range, NM

Report Date: Aug 87

Abstract: The need for time-of-year information with millisecond, microsecond, and nanosecond resolution by data handling and instrumentation timing systems makes the use of parallel time codes highly desirable for correlation of data with time. The intent of this document is to provide ground rules for maximum compatibility between present and future time generating equipment and the user interface (spaceborne and ground systems).

Order Number & Cost:

AD-A190126/CAA \$ 7

Title: PDWriter Version 4.2 (Computer Diskette)

Corporate Author: Office of Civilian

Personnel Management (Navy), Arlington, VA

Report Date: May 94

Abstract: The PDWriter system has been developed to assist people who write and classify position and job descriptions. The system consists of a program which allows the user to choose menu statements keyed to a particular type of work. Based upon the user's selections, the system builds a description that contains duty statements and required factor statements. Descriptions may be viewed and revised; saved as data files for revision by PDWriter; saved as text files for editing with a word processor; and printed on a dot-matrix or laser printer.

Order Number & Cost:

AD-M000391/CAA \$26

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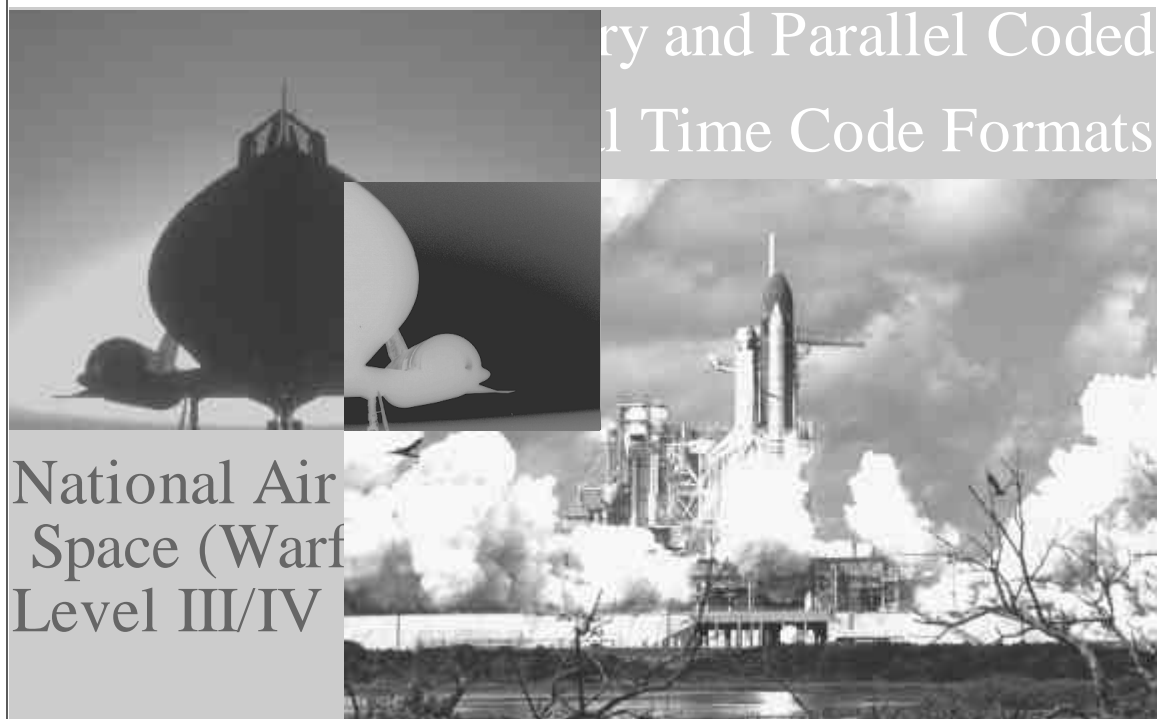
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